

SEQUENCE LISTING

<110> YAN, Chunhua et al.

<120> ISOLATED HUMAN SECRETED PROTEINS,
NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
USES THEREOF

<130> CL001303

<160> 6

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1839

<212> DNA

<213> Homo sapiens

<400> 1

```

atggattttc tcttggcget ggtgctggta tctctgctct acctgcaggc ggccgccgag 60
ttcgacggga ggtggcccag gcaaatagtg tcatcgattg gcctatgtcg ttatgggtgg 120
aggattgact gctgctgggg ctgggctcgc cagtcttggg gacagtgtca gcctttctac 180
gtcttaaggc agagaatagc caggataagg tgccagctca aagctgtgtg ccaaccacga 240
tgcaaacatg gtgaatgtat cgggccaaac aagtgcaggc gtcacctcgg ttatgctgga 300
aaaacctgta atcaagacga gcacatccca gctcctcttg accaaggcag tgaacagcct 360
cttttccaac ccctggatca ccaagccaca agtttgctt caagggatct aaatgagtgt 420
ggcctgaagc cccggccctg taagcacagg tgcatgaaca cttacggcag ctacaagtgc 480
tactgtctca acggatata gctcatgccg gatggttctt gctcaagtgc cctgacctgc 540
tccatggcaa actgtcagta tggctgtgat gttgttaaag gacaaatacg gtgccagtgc 600
ccatcccctg gctgcagct ggctcctgat gggaggacct gtgtagatgt tgatgaatgt 660
gctacaggaa gagcctcctg ccctagattt aggcaatgtg tcaacacttt tgggagctac 720
atctgcaagt gtcataaagg cttcgatctc atgtatatgt gaggcaaata tcaatgtcat 780
gacatagacg aatgtctact tggtcagtat cagtgcagca gctttgctcg atgttataac 840
gtacgtgggt cctacaagtg caaatgtaaa gaaggatacc aggggtgatg actgacttgt 900
gtgtatatcc caaaagttat gattgaacct tcagggtcaa ttcatgtacc aaagggaaat 960
ggtaccattt taaagggtga cacaggaaat aataattgga ttctgatgt tggaagtact 1020
tggtggcctc cgaagacacc atatatctct cctatcatta ccaacaggcc tacttctaag 1080
ccaacaacaa gacctacacc aaagccaaca ccaattccta ctccaccacc accaccacc 1140
ctgccaacag agctcagaac acctctacca cctacaaccc cagaaaggcc aaccaccgga 1200
ctgacaacta tagcaccagc tgccagtaca cctccaggag ggattacagt tgacaacagg 1260
gtacagacag accctcagaa acccagagga gatgtgttca ttccacggca accttcaaat 1320
gacttggttg aaatatgtga aatagaaaga ggagtcagtg cagacgatga agcaaaggat 1380
gatccagggt ttctgggtaca cagttgtaat ttgaccatg gactttgtgg atggatcagg 1440
gagaaagaca atgacttgca ctgggaacca atcagggacc cagcagggtg acaatatctg 1500
acagtgtcgg cagccaaagc cccaggggga aaagctgcac gcttgggtgct acctctcggc 1560
cgctcatgca attcagggga cctgtgcctg tcattcaggc acaagggtgac ggggctgcac 1620
tctggcacac tccaggtgtt tgtgagaaaa cacggtgccc acggagcagc cctgtgggga 1680
agaaatggtg gccatggctg gaggcaaaca cagatcacct tgcgaggggc tgacatcaag 1740
agcgtcgtct tcaaagggtg aaaaaggcgt ggtcacactg gggagattgg attagatgat 1800
gtgagcttga aaaaaggcca ctgctctgaa gaacgctaa 1839

```

<210> 2

<211> 612

<212> PRT

<213> Homo sapiens

<400> 2

Met	Asp	Phe	Leu	Leu	Ala	Leu	Val	Leu	Val	Ser	Ser	Leu	Tyr	Leu	Gln
1				5					10					15	
Ala	Ala	Ala	Glu	Phe	Asp	Gly	Arg	Trp	Pro	Arg	Gln	Ile	Val	Ser	Ser
			20					25					30		
Ile	Gly	Leu	Cys	Arg	Tyr	Gly	Gly	Arg	Ile	Asp	Cys	Cys	Trp	Gly	Trp
		35					40					45			
Ala	Arg	Gln	Ser	Trp	Gly	Gln	Cys	Gln	Pro	Phe	Tyr	Val	Leu	Arg	Gln
	50					55					60				
Arg	Ile	Ala	Arg	Ile	Arg	Cys	Gln	Leu	Lys	Ala	Val	Cys	Gln	Pro	Arg
65					70					75				80	
Cys	Lys	His	Gly	Glu	Cys	Ile	Gly	Pro	Asn	Lys	Cys	Lys	Cys	His	Pro
			85						90					95	
Gly	Tyr	Ala	Gly	Lys	Thr	Cys	Asn	Gln	Asp	Glu	His	Ile	Pro	Ala	Pro
		100						105					110		
Leu	Asp	Gln	Gly	Ser	Glu	Gln	Pro	Leu	Phe	Gln	Pro	Leu	Asp	His	Gln
	115						120					125			
Ala	Thr	Ser	Leu	Pro	Ser	Arg	Asp	Leu	Asn	Glu	Cys	Gly	Leu	Lys	Pro
	130					135					140				
Arg	Pro	Cys	Lys	His	Arg	Cys	Met	Asn	Thr	Tyr	Gly	Ser	Tyr	Lys	Cys
145					150					155				160	
Tyr	Cys	Leu	Asn	Gly	Tyr	Met	Leu	Met	Pro	Asp	Gly	Ser	Cys	Ser	Ser
			165						170					175	
Ala	Leu	Thr	Cys	Ser	Met	Ala	Asn	Cys	Gln	Tyr	Gly	Cys	Asp	Val	Val
		180						185					190		
Lys	Gly	Gln	Ile	Arg	Cys	Gln	Cys	Pro	Ser	Pro	Gly	Leu	Gln	Leu	Ala
	195						200					205			
Pro	Asp	Gly	Arg	Thr	Cys	Val	Asp	Val	Asp	Glu	Cys	Ala	Thr	Gly	Arg
	210					215					220				
Ala	Ser	Cys	Pro	Arg	Phe	Arg	Gln	Cys	Val	Asn	Thr	Phe	Gly	Ser	Tyr
225					230					235				240	
Ile	Cys	Lys	Cys	His	Lys	Gly	Phe	Asp	Leu	Met	Tyr	Ile	Gly	Gly	Lys
			245					250						255	
Tyr	Gln	Cys	His	Asp	Ile	Asp	Glu	Cys	Ser	Leu	Gly	Gln	Tyr	Gln	Cys
		260					265						270		
Ser	Ser	Phe	Ala	Arg	Cys	Tyr	Asn	Val	Arg	Gly	Ser	Tyr	Lys	Cys	Lys
		275					280					285			
Cys	Lys	Glu	Gly	Tyr	Gln	Gly	Asp	Gly	Leu	Thr	Cys	Val	Tyr	Ile	Pro
	290					295					300				
Lys	Val	Met	Ile	Glu	Pro	Ser	Gly	Pro	Ile	His	Val	Pro	Lys	Gly	Asn
305				310						315					320
Gly	Thr	Ile	Leu	Lys	Gly	Asp	Thr	Gly	Asn	Asn	Asn	Trp	Ile	Pro	Asp
			325					330						335	
Val	Gly	Ser	Thr	Trp	Trp	Pro	Pro	Lys	Thr	Pro	Tyr	Ile	Pro	Pro	Ile
		340						345					350		
Ile	Thr	Asn	Arg	Pro	Thr	Ser	Lys	Pro	Thr	Thr	Arg	Pro	Thr	Pro	Lys
		355					360					365			
Pro	Thr	Pro	Ile	Pro	Thr	Pro	Pro	Pro	Pro	Pro	Pro	Leu	Pro	Thr	Glu
	370					375						380			
Leu	Arg	Thr	Pro	Leu	Pro	Pro	Thr	Thr	Pro	Glu	Arg	Pro	Thr	Thr	Gly
385					390					395					400
Leu	Thr	Thr	Ile	Ala	Pro	Ala	Ala	Ser	Thr	Pro	Pro	Gly	Gly	Ile	Thr
				405					410					415	

Val Asp Asn Arg Val Gln Thr Asp Pro Gln Lys Pro Arg Gly Asp Val
 420 425 430
 Phe Ile Pro Arg Gln Pro Ser Asn Asp Leu Phe Glu Ile Phe Glu Ile
 435 440 445
 Glu Arg Gly Val Ser Ala Asp Asp Glu Ala Lys Asp Asp Pro Gly Val
 450 455 460
 Leu Val His Ser Cys Asn Phe Asp His Gly Leu Cys Gly Trp Ile Arg
 465 470 475 480
 Glu Lys Asp Asn Asp Leu His Trp Glu Pro Ile Arg Asp Pro Ala Gly
 485 490 495
 Gly Gln Tyr Leu Thr Val Ser Ala Ala Lys Ala Pro Gly Gly Lys Ala
 500 505 510
 Ala Arg Leu Val Leu Pro Leu Gly Arg Leu Met His Ser Gly Asp Leu
 515 520 525
 Cys Leu Ser Phe Arg His Lys Val Thr Gly Leu His Ser Gly Thr Leu
 530 535 540
 Gln Val Phe Val Arg Lys His Gly Ala His Gly Ala Ala Leu Trp Gly
 545 550 555 560
 Arg Asn Gly Gly His Gly Trp Arg Gln Thr Gln Ile Thr Leu Arg Gly
 565 570 575
 Ala Asp Ile Lys Ser Val Val Phe Lys Gly Glu Lys Arg Arg Gly His
 580 585 590
 Thr Gly Glu Ile Gly Leu Asp Asp Val Ser Leu Lys Lys Gly His Cys
 595 600 605
 Ser Glu Glu Arg
 610

<210> 3

<211> 78785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(78785)

<223> n = A,T,C or G

<400> 3

gagaaaattg agattactac ctgcaaggtg tcattacctg gtaagaagcc tatcaaaagt 60
 ttgtcctcct gaaaaagtag ttattgctaa aagctagctg ttttgatctc attcttgctc 120
 atttgttttt aagactgaga taatgaaatg tcactcccat ggcaactctg cctctttttc 180
 ggaatgatca ttgggtgtca tagttgcagc ataataacca gttagacctt ggaaatcctt 240
 tagattctcc ttattccatg atttaacaaa gactgatata attagctaca ttttactgaa 300
 gggagaagct aaagttcaca ggcagaattc aatttaatcc aatccatctg tttnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnct attggttaga ctaatgtctc acgggaccca gagtggtagg 480
 gaggcaatga caacacaata cattaagagc taccttagag catgctaagt gtaatagaag 540
 tatataaaac actagtctca gccaatcaaa aagtcagaaa aggcttcctg ggggactgtc 600
 ggctaaattt aaactcaaag ggtaagggga gattgtccaa atgaagaagg aagaggaatg 660
 aagaggaggc taaatttaaa tgaagaagga gtgttttcta ggccaaagca aatatatgga 720
 aaacaaaaga aagacgcatg tagatggggc attacacttt tccctccagt tatttatcct 780
 gttttcatcc accactcttc gtcttttcct tagatctcca gttttttagc cgtatattac 840
 cccctttctc tctaatactc cattgcacac agtgagggtt atttgtaaat ctaacccagg 900
 caccaactaa ccaaccaaca aacaaaaaca gctaaggagt agccactgga acctggaacc 960

atgcctacac	ttacaaaaat	ttgattttct	gcagaaaaaa	tattttgact	cctacatttt	1020
tggacttcat	tagaaggacc	tgaaatggat	gacaccaagc	tgtttgccta	aaataatgtc	1080
ccaagcctga	attggcatgg	atctttcttg	agattaaaaat	agaaacttgt	tttgctaact	1140
gaaaaacaact	tagaaatcaa	agagccattt	aagttgaaac	cattattttt	cctttccttg	1200
aagaaaattc	ctgtttttac	acacactgaa	tgatcaggat	agtgaatcac	cctaccacag	1260
aactttccat	taaaaatttg	aagttgtaga	aacctcaaaa	agaaaaatgaa	gatgggggga	1320
aaacgtttgt	aatgtagcaa	atgannnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1380
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1440
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1500
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1560
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1620
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1680
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1740
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1800
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1860
nnnnnnnnnn	nnnnnnnnnn	nnnnnnagatg	atcactgcac	aaggctgtca	ttcgaggtaa	1920
ggttgggaag	aggggtgact	tgattgggct	catgtacatc	ttaggataat	catgttttca	1980
tttgaacaca	gtcatttagt	acaatacttt	ttactctgca	acaactgaac	aatgattact	2040
taaaaatggtt	tctaagtgat	cccctcaaga	tcaggcacca	caacactact	aggcagtagc	2100
agcccttcct	ctctggcagg	cactcatccc	tagaggggca	gtcctgtcct	aatgtgctcg	2160
ggagttgagc	tgatagagac	agaaacagtc	tgctcatttc	ttcttcaaaa	cccgactgga	2220
gagccaaata	tttcttttgg	ttagttacaa	aataaaaaat	atgcctttgc	caactctgcg	2280
ggaaaagcaa	actcccagag	tttgcccttcg	ctaatttgtc	caagtcgtgc	tgtggtttta	2340
gtaaatgcag	acactgctca	gtccagccc	cataaacctc	tctgtcttag	ggcttctccg	2400
ccctccggtg	aaagctactg	ctcgcacctg	cagtcaccac	ctggtcgggc	ggaacctgcg	2460
gagcgtgcac	ctacgcctcg	ggctcctttc	ctcctccact	cccctttcct	gctgggcacc	2520
ctgctttccc	tctcccagag	agggtttgca	acttttctcc	caggctgggg	ctcgccctgc	2580
ttggctaacc	cccaagagcc	actgccgtcc	cgcagcgccc	ctgccccga	gttgccctgcc	2640
ccgctggggc	ccggggagga	gcggagcgcg	ctcaccttc	gcccggggct	gggagggcgg	2700
cgagtcgggc	gcacgcgcac	cccctgcccg	cccctggcgc	ccctccccgc	gggcggtgca	2760
gctacccttg	cagcgctcc	cctagctaga	agggagcggg	agggggctcc	gggcgcccgcg	2820
cagcagacct	gctccggccg	cgcgcctcgc	cgctgtcctc	cgggagcggc	agcagtagcc	2880
cgggcggcga	gggctggggg	ttcctcgaga	ctctcagagg	ggcgctccc	atcggcgccc	2940
accaccccaa	cctgttcttc	gcgcgccact	gcgctgcgcc	ccaggacctg	ctgccaaca	3000
tggattttct	cctggcgctg	gtgctgggat	cctcgctcta	cctgcaggcg	gccgcccaggt	3060
tcgacgggag	gtgagctggg	ccccggggcg	ccctctcctc	cttcccgcgc	taattttcaca	3120
ctcactgtct	tgggtcactt	ttcccgcggg	ggtttcgtgg	tcagagaggc	gtctcctcca	3180
tccagaagtt	gggccaccgc	acagcgtggc	gcgaggagag	cggtccagcg	gctccgagtg	3240
ccgcgccgag	gcggagaggg	cgcgccttg	cgagctctggg	accccatccg	cgcccccccg	3300
agggcgactc	gccccggctc	gggaattagg	actgagggag	aggagccgct	ggagcctggg	3360
atctcggtc	tgagggcgcg	gtttagccac	ctacgccgag	gtgacgcgcg	aaacatccct	3420
taccgggaa	actcccgcgc	ctgaactaga	cggctcttca	ctggggaagc	ttccaggccc	3480
ccggggggag	gcccgggctc	tgctcagggc	tctcggggcc	gctcacacag	agagtgggtg	3540
cgagtcagcg	actgggctac	gggggagatt	tgtgggcctc	tccatttggt	tttcttgagg	3600
gaaggagact	caaaatgagg	accggagggg	gggcgctccg	tgaatgtgag	catgagtgtg	3660
tggatgtgtg	tgtgagagcg	cacacactgc	gccgctcctc	agactcgggc	gagcctgacg	3720
gcggcggtgct	gtgacaggtt	ccaacaacct	cgggcgcggt	ctccgctgtc	actcagccgg	3780
tctcccgcg	ctccggggcc	gctccggtgt	gtgagagaca	ctgggtctgt	cgggaggggtg	3840
tgctcggtcc	ccctcacctc	tgtgcaatta	cagactaggc	tcgtcccggg	tgcagatggc	3900
tgctcgcaaa	agaggtttta	ctctggcgca	caccgtcgcc	cggtcgcctt	ccttcagcga	3960
cctctgcccc	caccctcccg	tgtaggtccc	tgcttagtcc	taaagaaaga	tgccgcacct	4020
gttttacctt	taatcttgga	acgaatcaat	tccacaattg	attcgctttc	ttgtaccggg	4080
aggcgaacgg	aggggaacca	gtggagcgcc	aagaaaaagc	acagctgctt	gttactacc	4140
tggtcggagg	aaatagaaaag	ttcgggggta	ttttgtactt	tgggcctggg	ggtagaaaag	4200
caggtaaaaag	aaaaggggaa	ttgaaaaaga	taaggagact	ttaagaaaac	gtgatagcag	4260

ccagagtgtgta	gaccccttttta	ttttatttttt	aaaagcaatt	ctgtgctcac	atttgggtat	4320
gttatgcatt	tcttgccacac	atattttgcaa	caagaaaccc	atcacaaagat	atgcataatga	4380
tgtgaatgca	tatagctttt	tgtaacttta	aaaagatgtc	taaaacagca	aattaaaaatg	4440
ttgataccca	gaggaaaaaa	gtcatttagg	tgtgactcta	aacaaggaaa	caatttagca	4500
aataatgtgt	caacgtgtta	tcaggtggat	aaatctgtat	cctgaaatta	ctttcttttag	4560
gcattatttta	cattagagag	gaaaataacta	tgaattgttg	atctaagcac	gtttcaaacc	4620
acaaggatatac	ttgagatatac	agctacactt	taaactctcc	ttggtttttat	ttagactttt	4680
ttctagtact	tttttgtttt	ttttgttttct	gccacagtta	tgtctcaaaa	agagctctgt	4740
tacacttgat	tttttgagaaa	cctttctgct	ccttccccca	tccacctttt	atatgaggca	4800
gaaatttttt	ctgctttgac	atgtcttact	taatactttt	cagtttatgg	tgaatcagtc	4860
aaacctggct	ttcaccccg	taacaggtgt	gggtctttga	ggaatctgtt	ttatttcaag	4920
cttcagaaaac	tatcctgtga	gtggcagcct	tgagaattgt	tggtgttagc	tggtgctatt	4980
tctacttaag	aaagcatctt	tccctcccg	tttttctcct	acccttgtgt	gttgggggat	5040
ggggtatttta	actgtctgaa	atttgacatt	agatcatagc	agaactattt	ctgtgaaggt	5100
gttttaacct	taaatttctg	caggcataaa	agagtttgta	gaaaattgtt	gggtgtgggt	5160
gacattttttt	ctgaagtaat	aatacagagg	aaattacctt	tcttctcaaa	agtgtcctta	5220
tttatttttga	atcttttttt	ttggtaggtg	gccaggcaa	atagtgtcat	cgattggcct	5280
atgtcgttat	ggtgggagga	ttgactgctg	ctggggctgg	gctcgccagt	cttggggaca	5340
gtgtcagcgt	gagtatcaag	cctggggact	tcagttccct	gggaggtgtg	gctttccacc	5400
ttgttcatgg	cttcacccca	catatcagag	ggttcattac	tgagcaaggc	ttggccttgc	5460
aggtctgact	tggggatttt	caggtacagt	ccagactcct	tattctgctt	cttttcagct	5520
ttagccacct	gtattacggc	ccagctttgt	cattcacaga	gagccacctt	aaatgtttct	5580
tttagcattt	ttcccccaa	atctgcatct	ccttctgtt	ttcttaccag	gtttattnnn	5640
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	5700
nnnnnnnnnn	nnnnnnnnnn	nnnnnnctga	ctcgcttgct	ccaggctggg	agatggggat	5760
aagataatga	gtctagaccg	tattttacact	ggggataaga	taatgagtct	agaccgtatt	5820
tacacaaaat	aaactctgaa	ccttagagta	cttatataat	cctcaccata	gctgtttgtgt	5880
aaagtggccc	atttgtaaat	ccttttttgg	actgggggtg	tattgacagt	gttttaaatg	5940
gaccacccag	tataatgaaa	caaagccact	gaaacaacat	tatttgtaag	ttctataagt	6000
aaccaacctc	atgtaataag	taccaaataca	gaaagctgat	tttcaccttt	tctgtgacca	6060
caaattggata	ttttaatgg	aaaatttaga	gctacatcaa	aagagtttga	gaaatttagg	6120
aaatttgtcc	ccagcatttt	atcgcgatct	taaaattgta	tctcactcct	actgcaaaaa	6180
aatagtcttc	aaatgatcaa	gtacctttcc	agagcaccct	tagagtgcct	ggggcggggg	6240
tagggggcac	ttctggtaag	atgatgggaa	ctaagtggg	ttctacattg	ggatatatat	6300
tttattgcta	atgaggagga	ggcttagagg	aagagagaag	ggcagttacg	aaggctagag	6360
ctggcaatgg	agaagcctgc	cttagagatg	ggttgctagt	gtgaggagtc	aggcaaattt	6420
aagttcagga	aagttaggag	ttccctctgc	tattttaatt	tttgaggatg	cttgcaatgt	6480
cttccttaat	tttgtgaaag	agggacagtg	acagtcacag	attgactcta	attgcacata	6540
aagaccacaa	tctctggttg	ggaatagaaa	ggtaaaaggaa	atgaatgttt	gcctacctgg	6600
tatggaattt	gagaaccaac	agattctaata	aaccaaataatg	tgaagaaagg	acccttctgt	6660
tggcccaaca	cacctacaca	taaccctcct	gagtgaaaaa	tgagtgttc	tataacctgca	6720
gtctccagct	gtgcaaatac	ttctgatact	acagaagact	aaattccacc	aggcaccatt	6780
cttctttttt	gatcatcttc	ccttaaaaaa	atattgaata	gactaaccag	tgagtgtaca	6840
gcagctttgc	ctacttcttt	tgtttactgg	aaactggagt	taccaccatc	tccctttaac	6900
agaatgtaat	tgaccccccg	tgcaaagggt	ctagccaagc	agctcgca	tagcagttag	6960
gcaaacattc	gtttgcttca	ccttttatgt	ttatacttcc	aaaatcaaa	tagttccaag	7020
gttttctatg	ttacagtga	ataaaaatccc	tttcaattaa	aaaggcacia	atggttcttt	7080
actattaaca	ttgaagtgg	tgaggttgta	aaaatttagct	caaagggtgaa	tgtttcttct	7140
tgtgtatttt	atttttccag	catcttagat	ggcgcaaatg	tctcttgta	gttcagagtt	7200
ctgctgtct	ttgttttgat	ataagcaggt	agagggaatgt	ggggctgaga	agtaagcttg	7260
aaggggcaga	acaaaccaaa	aagaggctga	tcagattgaa	tgaaatatct	ctgaaaactc	7320
ttgattattt	taaagaaaagt	ctttatgaaa	ttaaaagtgt	tgtcactacg	tttgttcaag	7380
aaaatgcctt	gctattgtat	aacaattcaa	tctaatatga	ttccttataa	agattccaaa	7440
gaacttctag	cgaatttaaat	gtgagaaaatg	tttttgccct	ttcgaccttt	agataatcat	7500
gtagttcttt	cccataagga	agggtatttc	tcccttcttc	atcagaggtg	ctctggttct	7560

ttccaccaat	cttttgaaaa	tattaattta	ttttgtagga	gaaaatgtat	tcatttcctt	10920
aaatatccct	cctcagagca	acaagcatga	ttagtttttg	gtatacttta	aaaaatattt	10980
tacctactta	tgggtaaaatt	gcaatagatc	tctcccctat	caccctcttg	ttttgtacaa	11040
atgaaagcat	actatataca	ctgcttttgta	tgctgctgct	ttttcttaac	tgtacatggt	11100
gaaagggtttt	atttatagac	cttcttacnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11160
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11220
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11280
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11340
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11400
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11460
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11520
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11580
gttttgcatg	ttcttagtgt	ttctgcaaaa	ttaaattttta	tatgtgggtca	aatggcagat	11640
acatttgtaa	tttttatcaa	ttgcccaatg	acttcttact	cagtagagaa	gatagttaa	11700
ggggaaagac	tgaatggcga	tgctgaccca	aagggtccaa	caatcccata	tccagagtct	11760
gatctttcct	tgatttttagg	attctttgat	cccttttctt	tccaagaaa	tccctctgac	11820
aactcagtg	atgtcccatct	gctcccacat	tctgtttccc	atcagaccag	aggcaatggg	11880
ctgaagctag	gagaatggag	tgagatgtgt	ccatttgcca	gggtctccca	gtggcttcct	11940
gcctatcatt	tacttgtaag	aaagagccac	gcattccctt	aggaattgct	taattcattg	12000
atcttttatt	atctttgtag	tttagccata	annnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12060
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12120
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12180
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12240
gattctgtat	cttggnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12360
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12420
tttttttttt	ctagacttat	aacctattaa	ggaggaatat	gtagaattct	gagatctgaa	12480
taccattttg	gggacaccgt	ttatgataaa	aagattttca	ggaaatatta	agacattttt	12540
gtaccaaatt	actttttgta	gtgtccttaa	aaccataggg	gcataatatt	tctaatagtt	12600
attctaattcc	ttattccaat	tatatactta	aattgtctcc	ttttagaaaa	gtaagaaatg	12660
catgattagg	tgaaaaaatta	aaagacacat	actaagagca	agacagcagt	gaaggtaagt	12720
atttctaact	ttcctgtttt	cctgacacct	agttnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12900
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	13020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	13080
tcacactgt	tgtatacctt	tagatatgga	ggacatatct	aaagacattt	gatttctgta	13140
ttagtatagt	aattgaagag	gtttcatttt	attgctacaa	attttcttat	gtttaatctg	13200
taatgtaaa	gagagtaaat	catggcta	attacagagt	agaaaccttc	tgttcagtca	13260
tcttctattt	ttgattccct	agaagatacc	ttaaaagata	aattaaattg	atttctttat	13320
ttctatttgt	ttatgcccta	tcttgttttg	gaaagtatat	aaagtggcct	ccagggaattc	13380
acacaattaa	aataaggaaa	taggggctac	atggaggaaa	atgggggtaa	aataaaaata	13440
ttaggaggag	ggtttttcaa	atgcagatat	gtaagccata	ggatcctaca	tatgtcctac	13500
aatttggtcta	ctagcttctg	gtagccaaa	gtaaaagatg	ttattgctga	tttaatttgt	13560
gttggtttgtc	agggaaaaag	caaacaagtt	atgtgggagg	aattatgggt	ttactgcatg	13620
tagttctgaa	cgaagacttt	cacgtggccc	tttacggagt	gggagtgaat	gatgggatgg	13680
aagggggccac	agcaacattc	ctatcatgaa	gccagtgggt	gtttttgaaa	agctgtttca	13740
tagaagatcc	gtcaacataa	gatgaggccc	ttactctaaa	agtacagttc	acggaaagct	13800
gttctataca	tagtttaaga	agcattatgt	gcatagcttt	ctgacgttca	gctagataca	13860
gccagaata	tctagctgtg	atggatgaac	tgtatagggt	tttggatgga	cagctctgga	13920
ttagacaaga	tagtttcagg	ttagaatcac	taacaatgtt	ctgaagtgtg	ctgtattatt	13980
taacagatta	aaggccagtt	cattttgtct	ttctttttta	agtcgatata	ttttgaagat	14040
cagtaatcaa	ctaattggagt	tgatatccag	agacattgtg	aatagagcag	ggatagggcc	14100
ccgcctaggc	tccagtaaaa	ggaggatctg	caaagaaatt	agtgggagat	tttttaatat	14160

caatctttgta	tccatttggat	agcaatatat	aaatttcacca	ccatttttgc	atatacatat	14220
tcattttccat	gccagtttat	gccttgaata	aggaggaaa	gcataaacat	tgttcccagg	14280
catcattttac	cctactgatg	ctgatacatg	gatattggcc	agttagccca	ggaacaacag	14340
aatccctgac	cagtgccttat	ttccccaag	ttcctgaltg	ctataggtgt	tccggggagt	14400
caaagtaacc	tcaactgttt	ttttaattca	cctggattta	taagggttga	tttatataag	14460
ttgcttagac	ctgaacagac	tcaaagcaga	gtctgtagga	aatactctgc	atatcaacat	14520
cccgtaccca	aacctaagtc	atcttttcac	tgggggtgtc	ggaagggctg	attctcatgt	14580
actcttgaag	ccctaggcaa	tagaacctga	aatcctgatg	cacatatacc	ctaggataat	14640
ttctctctca	aaaaaaaagca	aatagtgttt	ttaaaaatta	tgactcaatg	catattctga	14700
gagtgcagca	atccagtaag	tgtcacatct	ccttgggagg	aacaaagaga	aggtcttcaa	14760
acgccttttc	tgagagact	agcgtgaacc	aagaatctcc	ctgtctgaat	tgtcaccgta	14820
tatcaacgtg	gcagcgagct	gagaaaagtt	gcattgccag	ggccgaggtt	ttctgtcttc	14880
acggtaacaa	acaaatgac	agtcctcaaa	gatagtaaaa	tgtagccaag	ataatttggc	14940
ttgaaaaaaa	ttcaaagtga	tgtcaataac	cagctacaac	cacagaaaaa	tactagtagc	15000
atattgatgg	tgcatccctg	ggaacatgcc	agggcaaatt	gggggtgcaa	atacaccagt	15060
tatttaaaaa	ttgggtatgt	ataaggtaaa	gaattcatta	agtaatatca	aatacaaaata	15120
aactttttat	tttgattcac	taaaacttct	ttttaagttt	tctgatttta	ttactttaatt	15180
actactgata	cataattaaa	gaattatggc	cataatatga	ttcctaataa	aattttctaatt	15240
aaagccgaaa	tgaaggagta	tattacaggc	cagacatgat	aaagcattat	gatgtgtggg	15300
aaaatagtga	catctatttt	ttcattctgt	attattttat	aaattttctg	gagaatttca	15360
gtttaaacag	cctgctgaaa	tactgttaaa	tcaacctgtt	attcttaact	ctgatgggag	15420
gaaacagata	tgaataataa	aatgatttct	ttagcttttag	aatatagttg	ttgctttgga	15480
gaacaaaccg	ttttattcca	attatttttt	attaggagac	ttcattttct	gccatacatt	15540
agctttggta	gatactagat	gccaggggag	tgcaaatttg	agaataagga	tttggcatgg	15600
gttatttgca	tggtgagagt	caagatttaa	ctaaatttta	aaaccaaaca	cttcatttga	15660
tcaatatctt	tttaaccatt	ctgtagatta	ataatataaa	ttctccagag	ctgacattac	15720
tttgctataa	catcatcaga	tcacaagatt	agggttgcct	tttgtagatg	ttattcactt	15780
actctgaaat	gttaggaaat	atgtcatcac	agtttaaatt	tgtagtaata	tatacaaaaag	15840
gaaaacacaa	ctaggaattt	tggatttatg	cttactttgc	caaaaaccat	gttgattttc	15900
aaaaaccttt	agccnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	15960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16080
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16140
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16200
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16260
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16320
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16380
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16440
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16500
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16560
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16620
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16680
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16740
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16800
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16860
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16920
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16980
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	17040
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	17100
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	17160
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	17220
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	17280
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	17340
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	17400
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	17460

aacacggtcc	aaagttcagg	actgggtcca	aacccataaa	cctgtgttta	gcaagcaaga	17520
aacataatcc	ccagatagtt	tagttttctt	ggtttatgag	tcacaatttc	ataaaatcat	17580
cagagtgcct	attaattcca	accacgtata	gtaaagaacc	ttcagatgaa	ctgaagcaag	17640
ggttcttagg	caagttgccg	gagagagttc	tagaattcta	aactacctga	gtagctttgc	17700
tgaaatgttg	cttgatattg	ctactgtggc	cattttatga	tggccataga	gcaacagatt	17760
atcaagagaa	aatgagacag	atttttctgt	attatgtgct	atgaatgaat	cctatttttag	17820
tgaatgtttt	aatgggggtt	ataccgcaaa	aaaaaaaaat	tgtatgtaag	gcattttatt	17880
ctggcaactt	tcataaaaaat	tgttggtgatg	gttgcataata	aaaatttcct	tatccttcaa	17940
tagaggatag	ttcccagaaa	cttcctagaa	gtaatctatt	ccagatttaa	cattgctttg	18000
acataaaatg	cagttttgtg	tagtttttaa	atgcaaatta	aaaaatatag	gacattggct	18060
aaaattttat	cttgaagtcg	ggtatatatt	gataccataa	aacttactag	atctatgtat	18120
ttcaaggcta	atttatgccca	agtaggaaaa	atatgaccca	accttaagat	attacaagga	18180
taaaatagac	tatacaaaac	tgtttggcta	tttggacta	atacaactag	ttagaacata	18240
atgatgtttg	ctattcctta	ttaagttgtt	ttacctttgc	ttacaataat	ttaaagtatt	18300
tttctgata	aatttgatga	ctcaaaattg	gcaattaaag	aatattaaag	aaacgggtatc	18360
cttttatatt	ttttctgtct	catatataac	catagtcata	acttgtgtga	tccagaatgt	18420
aatttgctat	ttacactttg	atttcagctg	tttgcttaga	ttgtacctga	tgtattttat	18480
tattctattt	aaggaaatgtg	tcaacatcaa	gatatgggtga	gttcttttca	aaataacagt	18540
agaaacctga	ccaatatgaa	aaaaaaaaagt	ctagcaagca	aatgtaattt	gtgtctttta	18600
aaatacatag	caatcattct	ggatcaatag	ttaaattatt	gcttcaatta	aatcaaattg	18660
gacttagaat	ttttttcttc	ttatattacc	caaaggaagg	ccccattcac	cnnnnnnnnn	18720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnna	ttgtaaatta	cagtggatat	ttaatccttt	18780
aaaggcatta	atttagcaga	gaagaataaa	attatccctt	ttcttacctc	taaaatctct	18840
aggttgatca	aacactgacc	attattagta	ccatttcaag	tttcttcctt	ttactttcat	18900
caaactgggt	tatttatgta	tgttcaagtg	aaatggctgt	gctttcatgg	taattcttgt	18960
tgctattgac	aaccaaagca	gccaatgcaag	aagaaaatgc	tgtggaagg	aagaaaaaaa	19020
ttatatttcc	tccccaaagt	tggagagaga	agggaaacata	cagtatgtaa	gaaacaggta	19080
agtaaaaaata	tatcaatttt	aaaactatta	gcctttctta	ctaattgatc	aaaagttaa	19140
attttttcag	atgtgttttc	caactccaat	ttaaataaaa	ggatactgtc	tctaggaatc	19200
agaaattaat	attctggaaa	tgaaaaaattg	gatttgaaaa	tacagcatca	caaaagggtct	19260
gaaatattta	aatttagaat	ttggactata	gaagaatagc	ataacttcaa	ttattgggtta	19320
atatttttgt	tatgaaatgt	ttttttataa	caaaatgggtg	actaaaatat	tactatttta	19380
aacatgtcct	agattttttt	ttgtttcaga	aaagcactga	aagttgaata	tgtgtaagtc	19440
tccgggaatg	taacaagtgt	ataaatacc	aagtccagcc	tccttacaga	gaaaagatct	19500
ggaatttctt	tttttgga	ttgtttttgc	agctttctac	gtcttaaggc	agagaatagc	19560
caggataagg	tgccagctca	aaggttagat	gaacatattt	cttgaaataa	ttttggctaa	19620
tctatgtctt	gaaaggcata	ccttctaaat	aattttacaa	agctgtaaac	aaaacattag	19680
ttgtgttttt	gaattgcttc	tttttaggaa	aactatattt	cttagagatg	tgcttattct	19740
atacataatt	atagtaagtt	aatttttaatt	ccattattac	attaaacttt	tccgtttcag	19800
ttgattattc	ctttcttctg	ttttatgaat	ctaataaatt	gacctccatt	ctaagctaaa	19860
ggacagttta	tgtttttaat	acttaaggaa	gcaaatataa	aaacaaaagtc	caccaaattga	19920
aattactaac	accagcctat	cattaacctg	aggaggttgt	atttcatatt	cattaattct	19980
ccatggaaca	attcaggtaa	gaaatatttt	tattgtatga	aatatgttat	cagttataat	20040
agcacttacg	ggcatttatg	ctcttggttt	aggtaacata	agggttcctt	gtttaagata	20100
tttttggcag	taaataatgt	cacttatcac	cctatgacac	tttagtggaa	aacgttggtg	20160
aaatatgtgg	aattgtaatg	tttaatggaa	ttgattctaa	gaagacaatg	nnnnnnnnnn	20220
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	20280
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	20340
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	20400
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	20460
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	20520
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	20580
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	20640
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	20700
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	20760

taatctgatt	gtgtcatcta	ctgcttacag	tccattggct	gttcacaatt	atgggtagaa	24120
tcttgattat	ttgagtagaa	gccttttcag	gctgacattg	ccttatcagt	ggaggactgt	24180
ttcttggtgt	aggcccagtc	gcagtgagcg	gcccttgggt	ttccagactt	ctgctgcttc	24240
atgcctggtg	gcttttctta	tgctgctcag	tctgagtcaa	aggcccttca	cccattccca	24300
tggatgaattt	ctacttatcc	tttaaaattc	agctcacatt	tcctcttgaa	agtttttcct	24360
gglatcctttc	ctattcctgc	ctccctgcag	agaaatgcct	tcttctgtat	tcttttaaca	24420
ccttgtagac	ctgtcatgtc	tatctttgtc	aggagactgt	acactacaga	gcaagtactg	24480
tgtattttaa	gagctcaaag	tctagtgaag	gagctagata	agaaaaacaa	ctctgaaaat	24540
atgggtataag	atatatatat	ttaaaagtaa	acctgtatat	acataataat	tatgatagaa	24600
gtatgcacag	aggcttatga	aagcactgaa	gagggtatga	actcagcatg	aggcgtgaaa	24660
atcttggggg	tgatataatg	gtcaaaactga	cagggtgaagc	ctgtctagat	attagtgtag	24720
cagacaagag	ggggaatggc	attccatgtg	aaagtgtgga	ggtactcgag	agtgtatttc	24780
taagaactgc	aattaactgc	tatatgtgtg	aatgtgattg	gaaatgaggc	caatgggata	24840
ggcaagggtc	atatcatgaa	atatggtact	gaatgccatg	ctgagtgttt	gaaatagtag	24900
aatgatctac	atgaacatga	tgaggagcca	gtgaatgagt	ataaggagca	gaatggcatg	24960
ctgaaatcat	gggttaggga	ggtccctcta	acaatagtcc	aggcctggat	tgaagtccat	25020
gatgttggac	acagaaagac	tgtnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	25080
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	25140
tatcattttc	tttagaaaac	aaataagcaa	actaaaaaca	cctgaagggtc	aaaatgacaa	25200
atctctgaca	tcatattagt	cgaggcccag	taacaaaatt	gnnnnnnnnn	nnnnnnnnnn	25260
nnnnntatac	ttcaactcat	gtatcagtga	ctctttttaa	catagagatt	ttggttgcta	25320
aaaaagggtga	tgatggttac	attaaaattt	tctggccctt	tgtgatgatt	ctttagcaaa	25380
cctgctcaaa	attacagtat	cagatgtttt	aaaaaatgat	aattttcaac	tgaagagaaat	25440
actgtaatgt	atttcatcat	attctatgaa	ttcttaccat	atgaaagata	tcttttatgt	25500
ttcagatata	tattatattt	cctttttgaa	agaatttttt	ctagcactac	atcttttcca	25560
aacctttttg	actttcctaa	gcctgtgtaa	ttaatcactg	cctgttctgt	gtccttaaca	25620
tgcactctgt	atcaggacat	ctctgcttac	ttctgtttct	ccttactaga	cttacctgct	25680
ggaggatgag	aacttgctct	cctattcatt	tttataatcc	caatttttaa	tatagtgtct	25740
tagacactgg	ggcgtttcct	ccttgtcata	cttataatcc	tcnnnnnnnn	nnnnnnnnnn	25800
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	25860
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	25920
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	25980
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26040
tctctaaatt	acattgaaaa	gttaacaact	actcacaagt	taaataatag	ttgtctgtgt	26100
attcatgtta	ttgtactcct	ttttatatat	ttcttccatg	nnnnnnnnnn	nnnnnnnnnn	26160
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26220
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26280
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26340
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26400
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26460
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26520
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26580
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26640
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26700
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26760
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26820
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26880
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	26940
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	27000
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	27060
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	27120
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	27180
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	27240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	27300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	27360

nnnnnnnnnn	nnnnnnntac	tctactnnnn	nnnnnnnnnn	nnnnnnnnnn	ttcacatttc	27420
caaataaata	gtaacacttt	ttaatgtgtt	cttaacgttt	tatttggtcat	taatctaaat	27480
tcccctctag	cacaatgaaa	acagaaagag	aaagttaaaa	tttcaagtaa	actgaaaaca	27540
acaatagtgc	tcagaggatt	tttttttaag	tgaaaaggga	tagtgcttaa	ttatgacaaa	27600
taaaagctaa	cttgagatgc	acatatacag	atgcagccac	ttattttggc	gggggacact	27660
tcaggaatta	aaattttaat	agcgagagat	caaatagata	cttggtaaat	gtgtctgaat	27720
tggtatgttc	cagacacaaa	aataaaatga	gttattgaca	gctcttggga	gacaacatta	27780
taaagactag	acacgttatt	tatttttaact	ctatgttcta	aattaccatt	gagtaattga	27840
cattcgtatt	tgactatggt	ttgtgggttaa	gttcttaatt	gcaataatgt	taaataaaat	27900
gtgaagccca	aagcaaacaa	caacaaaaat	tatagcaata	cttcaacaga	ggtaataata	27960
atatgctgca	tcaatggttc	agaatccagc	atctacataa	aacaagcaac	agggtaatga	28020
aattattttc	ttttcaaata	ttctggcgaga	gctactttag	ttttcttaag	ttatagattg	28080
tggtcttaac	tgcaactttt	cgctcctttt	aagaagtatt	taagtatttt	aaatgttact	28140
taaatacttt	tatgttttta	atcattatta	acattctcta	cccctctcat	cctttcctgc	28200
ttagtatttt	gttataatct	cactctcccc	acttccaaat	gcactcaaaa	atgctggact	28260
ttctggtctt	tttctgacca	ccagaagaag	tagtggattg	agcatggaac	tggtataaga	28320
cattttttccn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	28380
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	28440
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	28500
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	28560
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	28620
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	28680
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	28740
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	28800
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	28860
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	28920
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	28980
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29040
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29100
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29160
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29220
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29280
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29340
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29400
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29460
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29520
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29580
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29640
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29700
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29760
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29820
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29880
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	29940
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30000
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30060
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30120
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30180
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30360
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30480
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30660

ttctaggcga	gaacacagaa	caagccgtgc	tcttcagccc	ccttcttaca	cagcattcca	30720
aagccccacc	ccatcacttc	tgctttcatc	ccatttagcc	agaacttagt	catttggtcg	30780
cccatactcg	ctaaggagaa	tagggaacat	agttttccat	tactaaccce	tccccactc	30840
nnnnnnnnnn	nnnnnnnnnn	nnccattcta	tattaaagca	gaagggaag	agatattggt	30900
aagaatccag	ctggcctttt	gtgatctgtg	tcagcctttc	ttttgatctc	atctgctggt	30960
ttaagcactt	tacactgtag	ccccacgaga	acactttgca	ctcactaaga	agcagtcccc	31020
tttgctgcgc	ccccccccc	ccactttgct	tatatctga	aagtcttttg	tttcctattc	31080
cactgctctt	acctctaaca	cactgcctct	aacacaccaa	cctgcagttg	tagttattac	31140
acaccctcct	tgggttcttt	atctctctat	cacagccctt	gttggtggtt	agccaatata	31200
tttttagttcc	acagctaaat	tttcataccc	tctatgactc	tctaataccc	tgccacactt	31260
gcctactata	atacattata	tatataacaa	atgtttgata	cgtattttatt	gaattccatt	31320
ccagaactaa	tgccagcaag	ataactttgt	gctatatagg	agaatatctt	tttgtgcaac	31380
agttttccaaa	gggttttctt	tttctaagaa	gaaagaaatt	gattgtatca	actttatgag	31440
tatcctaccg	catttaatag	ccattggcta	atctaagggt	tcttggttac	ttcactgaat	31500
agcctatcag	atggaagtgc	aaacaacagt	ttgttttgaa	ataggactcc	ctaaacatgg	31560
aagaaacatt	aacagtgttg	gcctgttgga	atgtgtgcat	ttgatgtgct	caagattagg	31620
gcactctgct	tgagaacaaa	taacaaaaaa	gggagaggaa	acaataaaaa	ctttgggcct	31680
ataaagcacc	tgaaagtact	ataaattgat	gggtctcaag	ctggtcaggg	ggtccaaagg	31740
ctacagcctg	ggggcctcaa	gtttaattgt	tttataaagt	gtcctaaata	aaatttttat	31800
gtttttaagt	ggtattttta	aaactacttt	ttcatgcttt	gagagagttt	tccaaattcc	31860
aattattttta	aggggttatt	tcctggactt	gcacttaacg	attttgagat	gtttacattt	31920
ttttcaatat	ggcattctgt	gtgcctcagt	gatacatggt	tatccaggtt	gcatgcatat	31980
ataaatgtta	agattttatg	aaggtcatct	ttttagatta	aaaagaattt	ttttaagctg	32040
gtatttcttg	gtgatagggc	ctagaaatta	tgtagagtgg	cttacttctg	gaacttattt	32100
taaactgcat	ataaaccatc	cgcctagtgt	acagttggct	aaagagtaat	attagaaggc	32160
cctcctggac	agtttatatt	atttcatgga	tatgaacaca	attgtttccc	tttgaattta	32220
atgccatgtt	taaaatcaga	ttttaagaat	tttccaaggg	cattttcccta	tcattttacac	32280
tctgcttggt	ttttctttct	gtagtctttt	acattaaata	cctcctacag	agcactgcct	32340
aaggatttgt	ggtggtacag	ggtccagttg	ggatgacaaa	caggcaagga	aggcctggaa	32400
gtaaaattag	caaagaggcc	ctgtggaatg	gaagggtgagg	gaagggttag	tgacagttgg	32460
gggaggaaaag	gtagaaaaaa	aaataacatg	cacatcagtt	tcgcaggagt	attagagtct	32520
taaaggaaaac	aatgtttgat	aattatcaga	gaggaaactg	ggagcataga	gcataatcca	32580
gaatggagaa	cagcatgggt	taaaatgggt	aggaacaggt	gtcaggagct	tcaannnnnn	32640
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	32700
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	32760
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	32820
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	32880
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	32940
nnnnnnnnnn	nnnnnnnnnn	ntgattttta	tcaggcagtt	atgatgataa	atgtatggaa	33000
acttcccatt	tcctagagct	aaagtgcagt	tttctcattc	tgaaatgtag	ggaacataat	33060
catctgatac	cactcacctg	attgtttctc	actcttctc	caccatttac	ccatctcttt	33120
agcttaatga	gtcccctgtg	tatctcccaa	ctaaacagcg	gcttacttgc	ctgtgaaata	33180
ttcttctctt	gggtagtctg	ctcccttctc	tgtctactca	tgcttcaaga	ttcaacataa	33240
gcctcctcta	tgaggctttc	tgcacgtatg	tatatggatt	tgcttggtga	atgatttctt	33300
cacagatttc	atattgctga	taaataaata	ttgttttgaa	taagaaacgt	ggttttgtat	33360
ttttatctcg	attgtagact	ccttgagacc	agtaccatgc	tatacaatta	tttttcatct	33420
attatagtgt	ctggcatagg	gacatgcaca	tatttggtac	agaannnnnn	nnnnnnnnnn	33480
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	33540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	33600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	33660
nnnnnnnnnn	nnnnntagag	aataaacgga	ataaattcca	attaaacagt	gaaaatat	33720
gagtgatgat	ttacagaatt	ttaaagtctt	gagaaagtgg	aactcagttg	atggaaaaga	33780
gtgaatgtca	aactgagaac	gtcctatttg	ctatgttagg	gcatagaaag	gccattatag	33840
attgaaaagc	agttgtaatg	aatcttaggg	ttaagaaaaga	tcaagataca	gaaatatcct	33900
tgaattgaag	ttccaaaaca	atgttggttt	ggtttttggt	tcattttgaa	tcctttcata	33960

cttaggaata	ccatttctag	taaaataaat	attttatgtt	tagttagaaa	tttatctgta	34020
tttcatacat	acttagtact	tttggaactaa	gaactgctat	ttgaagtata	tttgagggaa	34080
tgagtttgaa	attttggttg	caggacatta	taaagttgta	actatgaata	aatttcagtt	34140
atgcttatgc	atagttttac	ctagttttat	ttgtctatit	gagtattgtc	cttgaattta	34200
aaattttttt	cagccccaac	tgatacacac	acataatacat	acataataca	tgtgtgtgtg	34260
tgtagcttac	agagtgttta	taggaaactg	attttgtata	ctttggctac	tttgttgtaa	34320
gttctagttt	tttttctttt	attattaaac	tagtgcacga	catcaatgct	atatgattgg	34380
tgtttcgttg	acctagaaat	aatgcatgcc	atcttctttt	cacagctgtg	tgccaaccac	34440
gatgcaaaaca	tggtgaatgt	atcggggccaa	acaagtgcga	gtgtcatcct	ggttatgctg	34500
gaaaaacctg	taatcaaggt	aggaaaaacag	tctgacataa	atacacaatc	gaagacacct	34560
ctatcactcc	caaattaaaa	atatttcttat	ctcaaaactac	tttccatggc	tattttttcca	34620
aaatatgtga	gctgctatit	tgtctgnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	34680
nnnnntttta	tcaaaggaca	attaaacaaa	ttgtatcctc	ttatttctctg	atactaatta	34740
aaatgtatit	tgaagaaaag	aatccctgca	tcagtaatit	agaagccttc	tggtactcct	34800
tgttttttcca	ctaactagtt	ggaaatccit	ggccaaataa	ttaaccacct	cagaccccag	34860
gtactgcttc	cctttaatgc	caaagtcaag	taggggattt	gatttgaaat	ttggagtttc	34920
ctcctaactc	tgagcccttc	gattcgtgat	taaatctccc	ttcaactact	gaccagtttg	34980
gaatgtttcc	atgataaata	aaaatgatta	attttagcaag	cacttttttaa	aaaaatcagc	35040
atcagttggt	taaagcaaait	atttattcaa	cactcatagt	gccccaggta	ttttatatat	35100
ataatccatt	tttatcttta	caacaacatt	aggaagtaga	gcattattta	ttataatnnn	35160
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	35220
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	35280
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	35340
aaatgtgatc	ctcgaactca	tgctacaaa	tcagacaagg	cttgtcttgt	taattaaait	35400
cagttaaaaa	tttccattat	tnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	35460
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	35520
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	35580
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	35640
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	35700
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	ncattattag	gaattaaact	aaagaaagat	35760
taggggttaga	tttcaactaaa	tagataagtg	tcaaaaaataa	aaaagataag	tcaattttta	35820
cttatttttt	aaattatact	ccctatcatc	ttaaatgtca	ggtgaaataa	tcattggtgtc	35880
taactatccc	ttacatactt	acttgacctc	atctgatata	gaaatgatat	tgctgaaata	35940
ctactgttct	tcagtgtctg	atacttattc	caagatactc	cttgagggtat	gtcatgtaaa	36000
ctaattgattt	atagacacag	tttttttttc	actatttatn	nnnnnnnnnn	nnnnnnnnnn	36060
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	36120
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	36180
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	36240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	36300
nnnnnnnnnn	nnnnngacacc	gtttttacaa	tcattccagaa	cattgatttt	tgaaaacata	36360
ctcaaaatgg	tggttcatga	accatcagat	gaaattattc	atgaaccatc	agatgaaatc	36420
cacactagca	aaaatgacat	gtcccaatgg	tagaagctgc	tattctaaag	tgtgttcttg	36480
tattatctgc	tatttgattt	agaactgatt	ttcccaatgc	ttgttttctc	tctaatactc	36540
tttttaactt	gaaatttacc	aaacatacct	gcataatctt	tttaaataag	tgatgctctt	36600
attatctcag	tttgctcctt	aaaaaactcc	acttgatttt	tcttccccag	cataagtttg	36660
caggtagcag	tgttctggtt	attggatgcc	aatgttcatc	ttagaatctc	agtatacttt	36720
ttttaaagtg	gtgaacataa	gccctcagag	gtttcattaa	tatatcagca	cggtaaaata	36780
ttgttggtcca	aatgtgagga	tataaaatat	aaagaagacg	attaaaataa	gtcacttttg	36840
agattgcaga	gaaattcatt	taaatttctt	tgacagaagct	gcatcaactt	taacatgctt	36900
taaagacatg	ctaaaagtat	tattgaaaca	aaagttcatc	actgggtagc	tcctatittc	36960
agaaaaccag	tttaacatgt	actttttttt	cctgtaaacac	atacctatit	ctctaaagaa	37020
aaaatcgaat	gtatcaagtt	aagatcttgc	tcccaaaaac	catattcctt	aaagagaaga	37080
ggatttgatt	agtagcaaaa	tgggatttta	cacctgcaaa	aatagtgtctg	acactgaaaa	37140
tgtaatttca	agtccagttt	tgaaaataaa	actacagctt	aaaataaact	taggtgtttt	37200
aatcatctct	tattttgccc	tcctcacaaa	aaagcagtgt	ggcaggttcc	tgatggcaag	37260

tttectaact	ggcctttata	aacagagatc	cataaaggtc	atggcgactc	ctggttgccc	43920
ctagtgtaac	gtaccttcaa	attaatattg	catgaacagg	atctatctct	tatgtaaaatg	43980
acagttactg	tagcttgacc	tattttttctc	tttcatTTTT	taatatagaa	aagaattttta	44040
gatggcttac	attagtgtcg	aggttttgta	atTTTTctgc	ttcaaccac	attgttttca	44100
gatctaaatg	agtgtggcct	gaagccccgg	ccctgtaagc	acaggtgcat	gaacacttac	44160
ggcagctaca	agtgtactg	tctcaacgga	tatatgtcca	tgccggatgg	ttcctgtcca	44220
agtatgtcaa	gaatcttaac	tgTTTTataa	gtgctttggg	cttgtttctg	ttgtgctctg	44280
agagcttgct	tttgtgaaaa	tggcctccgg	ggttctccta	aacaagatgt	gtgctgtgtg	44340
ttatactttt	gcctgaggaa	ttgaaaatca	aaataagagg	caccattttc	gatgtataat	44400
actcttctat	cacgggtgcc	aatattaaat	tgattaggaa	atggtgttta	gaataagaat	44460
tacaaaacta	agtatgtttt	ctaattttttt	ttttaaacat	gtttacccat	gtcttctatc	44520
tgggcataga	agaatgattc	caggctaaaa	aaaaaaaaaa	aagaacacta	ctgactattt	44580
agggactgct	cagacagaat	ccatcagggtc	tgTTTTgtaa	ttttaaatca	ttcataaata	44640
ttttcttcat	ttttatattt	cattataaaa	gccttttaggc	ttttatagaa	ttttagactc	44700
taataatagt	ctaagacttc	taaaaaacia	tttcaaataa	aaaataaatg	aatatgatac	44760
cagaaaagta	ggattcatgt	ttataaggaa	gaaatgcatg	ttttcaccat	catttggtatg	44820
taaaaaatgg	actttggcct	aaaattctct	ataggctgac	tcctgaattg	tggtattcat	44880
atgatatctg	acaattaatg	acttgattttt	tattttttact	gaattatcat	ttactgagt	44940
tgcataaaaat	aaagtttagct	aatttttattt	aacattgcat	aagtatagca	tggaactttt	45000
tgggaattagg	tgaatacatg	tttaacattg	tgcaactcaa	tgggaaatct	gctgttcccc	45060
tagagaaatt	tcatgggcat	ttgagacagt	tacttggtatg	attagttaag	aatagcgttt	45120
agcttgagta	atctggaaaa	atacctcaat	tcttcacttt	ccttggccac	tggaaaaatt	45180
tccagataat	ctatatatga	tagttttata	tttgtctttt	aatgctttct	ttccttcccc	45240
cttttatttt	ctttagatgt	ttgatatgta	aggcctcttt	gtcttcattg	ttgttcagt	45300
tcactgattt	caggacaagt	gaaaaaacat	agctatttcc	attacagatt	ttgttttcta	45360
cctgtctgag	tcagccagtc	actctctttc	cagggtgccct	gacctgctcc	atggcaaact	45420
gtcagtatgg	ctgtgatgtt	gttaaaggac	aaatacgggtg	ccagtgccca	tcccctggcc	45480
tgtagctggc	tcctgatggg	aggacctgtg	taggtgagtt	gtaaaatcaa	gcctctctgt	45540
cagcagcctc	tgtaggataa	agggagaaaag	tgaaagggtga	tgggaataag	gaaaaaaaag	45600
gcaattactt	acatcagata	attagctatc	gttcagaaga	tatcagatgt	ctcagaagag	45660
gacatctctg	tgaatggata	atgggagcgt	tgTTTTttaa	aaaatgagaa	atannnnnnn	45720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	45780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	45840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	45900
aattaggaag	gcagtgtagg	attgagagtc	tggaannnnnn	nnnnnnnnnn	nnnnnnnnnn	45960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	46020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	46080
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	46140
gattagagtn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	46200
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	46260
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	46320
nnnnnnnnnn	nnnnnnnnnn	nnngtctatt	agccttaagg	taagacctgt	atcatttagcc	46380
atgtgaagaa	acagccaagc	agctgaagac	attgcagggc	actgcggtga	gagagaggtt	46440
ggcctgtgtg	aggTTTTtca	aggagaagg	tccatgtagc	tcaagtacag	ggtgtgagta	46500
tgaggggtgg	tggctggaga	tataatgggt	gaagtaggtg	agggtgattt	gttgaggggc	46560
cttcaaggac	acaggggagg	aatgtggatt	taattcaaag	tgcaagtaga	aatagttaaa	46620
agattttgag	cacagtaatg	atctgattgt	atgttttaat	ggaatcattt	tgacagttgg	46680
gttgatgatg	ctttggaggg	ggtaagtaac	agcaaaagga	actgttttga	ggcttttgta	46740
acagtctaac	ccaagagatg	gtggcttcaa	atagggtagt	ggtggtggat	taagagaaaa	46800
gtagacagat	tcaaatactt	tttttttagag	gtagaattaa	ctggacttga	tgatatggga	46860
gttaaaggaa	agaggggtgt	ttctaattca	agaatgactc	atgtttctag	tttaagcaac	46920
ttggtagata	cagggtgcagt	atgtgtcaat	atatagagtg	caagaaaata	ataacttggc	46980
ttagaaggct	gggttgaaat	ttggatatgt	ggaatttatg	ttgcctgtag	ggacaaccag	47040
ctagataccg	tttatgatga	gccactatat	gctaggcaac	cattttagtg	cagttattta	47100
ttttgaaacc	cactctgtct	taacataccc	ttgctcttcc	taaaatgcta	ttgacttatg	47160

tttctagatg	ttgatgaatg	tgctacagga	agagcctcct	gccctagatt	taggcaatgt	47220
gtcaacactt	ttgggagcta	catctgcaag	tgtcataaag	gcttcgatct	catgtatat	47280
ggaggcaaat	atcaatgtca	tggtaatgaa	acccaaccat	tgctttgtgt	tgtttcttcc	47340
tagagcactg	aaaggtctcg	taattgtggt	gatggctgga	atgtcagggg	caggggagag	47400
tactggcggt	aagttaaacc	aacagacatc	cagtttaacc	actggtagtt	ctcagtcctac	47460
atgtagttta	tttcttctgt	ttatctgcca	attttatgta	gatcatcaca	ttgccaaaaa	47520
aaatcatttt	tgaaactgta	tatatTTTTT	atgtcatcat	atttatctcc	taaataagtc	47580
tcttcttttc	ctactttctg	atgcagacat	agacgaatgc	tcacttggtc	agtatcagtg	47640
cagcagcttt	gctcgatggt	ataacgtacg	tggtccttac	aagtgcaa	gtaaagaagg	47700
ataccagggt	gatggactga	cttgtgtgtg	tgagtagcac	ttgtctctca	gctttaaatt	47760
ctagcaggaa	atacaggatt	acacaaaggc	cattgctagg	gaaaataagg	aataagatta	47820
tcaaagaagt	ataattgtca	taattgggtta	tatttgcctt	tgatttccac	aaacaataaa	47880
atcacttgct	caggtacttg	taaaaactaa	ggactcagta	atacactata	atcttaagag	47940
tattttaatc	tcttctactga	aatctctcaa	tattttcttt	ttagctaaaa	agaaattatt	48000
gagtcctccc	tgagaatttg	cttttggttaa	aattagaaat	catgtttgcc	attagcggtta	48060
gattttgatg	gtgggataat	ctggatata	tctacatttt	tttccctctg	ttttatgcct	48120
cctaactctg	ctattaaaaa	atcattcccn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	48180
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	48240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	48300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	48360
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	48420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnccat	tcccatattt	atttctctta	48480
cattcagaac	tgttttgctt	ttaaaatttt	tataagtttt	atttgagtag	gtggttatgt	48540
aatagataaa	catgaaaaaa	acccaaaagt	cataatttaa	catacatttc	atgtaacaga	48600
agataatttt	ttaaaatttcc	tccgtaaaat	atttactgaa	aaccatgggt	cataaaatca	48660
tgaggattaa	aggggttttta	aagagtcatg	tagtcattcc	cagtctggaa	tgtatcattc	48720
aggcagatta	aatattgatt	ctttttgatg	aagattatca	aggaaaaaga	tttcacagat	48780
gatctttgca	acctctgaaa	atgtctattt	aaaagcagtt	gtatctatca	gtaaagggaa	48840
ataaaaaaccg	accataaaaac	aatatgtaga	acatttactc	aagctgtatt	tatgcaaatt	48900
gaatttatat	aaagtgtgga	taagaaaagt	atttgccttt	agacaattct	gaacacaatt	48960
ttataatata	cacgtagcat	agggatacaa	cgtagattct	aactatgcat	ttgcttatat	49020
taaaaaaact	tagannnnnn	nnnnnnnnnn	nnntctgtc	agtgtaatgc	ttcacttttt	49080
aggagggaat	ggttacatac	tgatttaagt	ctttgactct	ttcagtatat	cccaaaagt	49140
atgattgaac	cttcagggtcc	aattcatgta	ccaaaaggga	atggtagcat	tttaagggt	49200
gacacaggaa	ataataattg	gattcctgat	gttggaaagta	cttggtaggc	tccgaagaca	49260
ccatatattc	ctcctatcat	taccaacagg	cctacttcta	agccaacaac	aagacctaca	49320
ccaaagccaa	caccaattcc	tactccacca	ccaccaccac	ccctgccaac	agagctcaga	49380
acacctctac	cacctacaac	cccagaaagg	ccaaccaccg	gactgacaac	tatagcacca	49440
gctgccagta	cacctccagg	agggattaca	gttgacaaca	gggtacagac	agaccctcag	49500
aaaccagag	gagatgtgtt	cagtaagtct	aataaatgtt	agcacatttt	caataggctc	49560
tttataatga	cttttcaacc	acaggccatg	ccttgaataa	gaatgaaact	cgtaagaaga	49620
actagctatg	taaagtcgta	tgtccctatt	gacaaaatatt	ataaagagct	acataaagag	49680
tcagtcta	tgggcaagta	agaaaagaatg	tatgtagcaa	tggaagggaat	attcacaaaag	49740
tcatatggta	gatgacagct	cttagccagt	atgggaattc	tgacatagtt	ggatttactt	49800
gaaaactctc	agaggtggga	acttaactgt	attccatgct	atgttacttt	taatctaacc	49860
cttcnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	49920
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnng	tgggaaagat	49980
ggttactcag	aagataccag	tggtagtagt	ttagtgaag	agatctgtgt	aggacactat	50040
gagaggagaa	tgaagggata	cctcgtcagt	ctttgggtag	ggaatattca	gggagggtct	50100
cccagtgtaa	acggagcaaa	gtggatgagg	aaagggaagat	attatagtta	acagggacag	50160
cccaacaaat	gcaaagaagt	aggaagcagt	gtaataggca	gtagactgcc	agtaaatgg	50220
agggtcatgt	cagggacaga	tgagagaagc	tgacacagct	ccccttggat	tgctgtaaac	50280
tgatagttag	acctacactg	gggctggatt	agatcaaaaga	ctcccagatt	cttagcaggt	50340
gactaggtaa	agggtagcac	caccaatgga	gatagaggat	tcagggaagag	aagcaagttc	50400
tgaaggagga	aaaggttggt	aatttattac	cagaccaaaa	tttgcattgt	ataactttca	50460

tctgttcctc	atatttatct	gcttgtcctg	tgtcacttcg	cttattctta	attacctttg	50520
cattcactct	tcctgtctcc	tcctttatac	attaccagtt	tgttttgttc	ctttttctcat	50580
tcctctatga	tgaagctaaa	gtttgtgcct	tttatattga	atacctttat	aactttttat	50640
caggtgaaaa	aaatactgac	atttattatt	ctttaaaggg	gaaaannnnn	nnnnnnnnnn	50700
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	50760
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnta	50820
ataaaggggg	tatcagagcc	gcatttttgc	tgtagtgac	tctcaattaa	attttctcct	50880
ctgggttaatt	gtccatttaa	agaaaagggg	aaattctcta	attctgatat	agtcagtgtat	50940
gttttggtata	atcaatataa	tttttagggg	aattagatgg	tagctctcaa	aatatacatt	51000
ttatatgtgc	ataactatit	tctgaaatit	atgtttttgt	aattttctcc	tcacccctct	51060
tctccatctc	agatactgtc	tttttctccc	tattactctc	ctttttaaat	tctcatcatt	51120
gtgatcatac	aatgggattt	ttaatttatg	agtgccttaag	taattatggt	atttacatta	51180
ttttgctgcc	ttaggataac	agggaaaatt	ggctatttaa	tgtaagatga	tacgctaaat	51240
atttttttca	ttatgatgaa	agaatacatc	tttctgagaa	ttttaaaaaa	tcctttctct	51300
ttttaaaatg	tttctcttta	tttccagtat	tcctctctat	gccaatacat	atatgaatta	51360
aaaatgacat	tgaagttcac	caataaaaatt	tagtgcaata	aaattggggg	aatacagagt	51420
tccaatgatg	tttggggagca	ttcattataa	gagagtgtga	tcttaaagac	atgctctggg	51480
aaagcattgc	cttgatcaaa	tgccaaggct	gttgcatgcc	acagatagca	ttgctgcctt	51540
tagaaaactcc	tgccaaaaat	taaattccac	tctcatttca	tcttcagcga	tagctgctta	51600
ttaagtctag	catgtgtgag	aatgctttag	atgctttttg	acttgctgtc	ttgtggttat	51660
agcatatatt	ctaaataagg	caaaggctct	aagtttttaa	ttcaggacaa	ataaccagtg	51720
tctattcact	gtgaaaacag	taaggaaacct	tagcactatt	tcagttcaac	accatttctt	51780
tactgaatat	tttcttcact	tctggcataa	cttcttaaatt	catcctcatt	ctccgagaca	51840
ggctctgagaa	tagaatttag	ctcacctcat	ttcataaatt	tttaggtgat	gttaattatg	51900
ggcactattt	ggcagtctcc	ttcaaatagc	cctccacttt	gtgtttttct	ttacattgaa	51960
agatatTTTT	aaattgannn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnng	52020
aaagatttct	tttaattggaa	gaggttgtga	aagagagctt	ttccttataa	tgtagtgcg	52080
ttgttgccct	gagaaaagac	tgtaaagata	ttctaaaaga	aaatcaagga	agaaaaatat	52140
tataacaaga	acacatcttc	agcccagacc	tctcccccac	actctagacc	tggatgtcag	52200
ctgactgctt	aacctatcca	gttggtatgaa	aatagacgtc	tcaaactcaa	catgtataga	52260
attgttcctt	ttcttccctt	aaacatcctc	tactctcagc	ctttcttatc	ccaggtaatg	52320
ggacctctat	cacctgttgc	taaggctctaa	taatgtggat	tcatccttaa	ttactcttca	52380
tacatacagt	caatatgtaa	ggaaatcctg	ttagctgtac	cttcaaatta	tatttaagtg	52440
tgaccttttc	tcaccaactc	cagtgtctacc	accctggccc	aagccatctc	tcccctggaa	52500
tacaggccca	aaatccttta	tccaaataac	ttatggaata	tagcattttt	tagatttttag	52560
aaaatcagta	aggtacacat	actatatagt	acacactgaa	gtagtgaaac	atgctgattt	52620
tcctctagt	cttttactgt	gaacgtatca	atgttaaagga	aaggaaaaatg	atattaactc	52680
agagatgatg	tctcacagca	tatatattact	agcttgacac	aatttttttaa	tgtagcaag	52740
atttaaggca	aattttttac	ttatatittta	attggatcct	atgatgatta	ttaaagaaaa	52800
aagtagttat	ctctagaaaag	tataaattga	gctcttgga	aatgtgagca	aaaccagaaa	52860
tcagattttt	ttaaagttac	gtgtacattt	gtctatagag	ttataattaa	aagtattgtg	52920
ctcatagcca	gtctgtgatc	tggggcataat	tattatatct	tcctatgcct	taaaacaatg	52980
tttctgttaa	gtataaaaca	agtaccattg	acactgcagt	ttttgtccat	ttgctacttc	53040
caaaagaaaag	gggtacaaaa	cagaaaagtt	atttaaactt	taagcagttg	gttagatatg	53100
gtagttataa	tgagcttttg	tattttaata	tggggcttaa	aaattttcat	ctaaaccaac	53160
attaattatc	taagtgtgat	atccttagga	ggtctttgtt	aagtcctccc	aattatatcc	53220
agcatctcca	aaggtgactg	aagtcctctc	taataactca	tcnnnnnnnn	nnnnnnnnnn	53280
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	53340
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	53400
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	53460
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	53520
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	53580
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	53640
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	53700
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	53760

nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	53820
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	53880
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	53940
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	54000
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	54060
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	54120
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	54180
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	54240
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	54300
nnnnnnnnnnnn	nnnnnnnnnnnn	nntcatccca	ccactggagc	attttttcctt	atattttaacc	54360
taaatttatg	aaactacagt	ttatgcattt	ttaatatgt	cagatactca	gggttaatgg	54420
acacagttgt	tcattgtctc	cagatcccat	actccatgta	ctcaaagaca	ctttcaggag	54480
atgactcact	cttccctggg	cccnnnnnnn	nnnnnnnnnn	nnnnnttttc	ttagaaatgc	54540
tttttttcaa	cccacttagc	aatcttgttg	actggtcctt	tgaacattct	ttattttcca	54600
aatctgtcac	aaatgatcga	gtcaaagata	tataatagtc	aaatctgacc	caatactgat	54660
cacggggggg	tttcttttaa	catgttttgt	aatctaaatc	atttctcttt	gttgcaaagt	54720
agagatttat	gggcagctat	ttaatctcca	gatgtttttt	cctcaannnn	nnnnnnnnnn	54780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnntggaatt	ttatatgtga	tttaattttt	54840
ttcattctaa	gtaatccttc	atatgcttaa	ctagctaaat	tttacttggt	ggttctgata	54900
ttccttcccc	aaataatcaa	agttaattca	gattatggtt	ttttttctta	tcctgataca	54960
gcttaatata	gccattgaaa	atattctcta	gaaaattcta	agtctaatat	acttctaaat	55020
tttaagcatg	acactgaaaa	atagtgaaaa	gcatagaaaa	ggaatatgaa	aatagcattg	55080
aaacatttgg	aattaagggg	ttttaaccac	tactaaagat	agaatatact	gaaccagaaa	55140
acctagtctt	gatttctacc	tctattttat	aggtagatga	ctttggacta	gtatgagtnn	55200
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	55260
nnnnnnnnnn	nnnnntccc	agctatcctt	tctcactgag	tagcttcaaa	gatcagagat	55320
aagggatcta	gtgtttgtga	attctgagtt	actatgaaat	gtaaaagatt	aatgtgtttt	55380
gtttatcact	gtaaataacc	ttgatgggga	gaacttatgt	gatttaaggt	tgcaactttt	55440
tttgtgtgat	gtgaaatatt	aaacatattt	ttaaaataan	nnnnnnnnnn	nnnnnnnnnn	55500
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	55560
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	55620
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	55680
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	aaaaacaatt	ttagcttgag	55740
ggaccctagg	tttttttagg	ttatatgact	agaaatataa	taagatgtat	ttacagggct	55800
aatccggtgg	gcatgatttg	agcaacacta	aagtatatctg	atgtagcgta	aaattcttgt	55860
tgtttcatta	atgagacaga	cttgtgcttc	tcaaagtgtg	ttttatagag	cattatttct	55920
ctgaaatatt	acacagttgt	atgtgttaaa	aagttccttag	gtcaaataca	tttaagaact	55980
cctaggttta	gctaagttaa	ataggtttct	taactgtagg	acttctcaat	actccaatgt	56040
gctaacaata	ttgcaaactc	ctaagagagg	catataatgt	atcttttccc	aagttgtttt	56100
aaccatggga	ttatttgaat	cttgggatta	gagtttactg	gaatcaactt	taggtcaggc	56160
tgggctaaac	taggaagtat	ggagaccata	ctccacaaaa	cccagtatcc	ctcactagtt	56220
agctctcggt	gcctgggttt	tgagactaat	gggttgatct	tagatttagg	aatgagggtt	56280
ggggagggca	gaaagggtgt	gcacaaaact	agccagaaaa	gcagccataa	gtggtggtat	56340
gcctgtatgg	acaccatagg	tttgctgcag	gggattgtta	aaaagccact	tttcaaagac	56400
aaaactctgg	tgtcacaggg	gtaggagcaa	tcccagggca	aagaaaactca	gaaaaacttt	56460
ctgcagaacc	caaagtaaag	gaagttaggg	ggacatgctt	tctgttctag	caatatataa	56520
tgaaatctta	tataactatt	aaacatgttt	tatggaaaat	atttaataat	tttggaaaat	56580
acctatgtta	caaaaatggt	acctgaaaag	tagaaagctg	tacctgccat	ttgactccaa	56640
ttagatataa	aatacatgtc	tgcataatgtc	tggatgtgtg	taaaagtctg	aaagaaaaaa	56700
gacccaaaata	gtaaccatga	gtatatcctg	tttatgatat	tttgggcgat	tttcattgtc	56760
ttttgttgt	ctttatccag	taatttttaa	actgttcaac	tgtactatcg	ttgataacag	56820
taattcatta	tatcattaat	tccttcagag	aaggggcaga	gtaacagaac	cccactcttc	56880
tcagcaggaa	agtgaggatt	ctgattctta	atcatgttta	ttttattttg	gacatactga	56940
gttttaaaaa	ttcattgaag	gtttttattaa	cttctatttt	taacctttca	gatttttcctt	57000
tacaattgaa	tgtgatagat	atgtccaatt	ttagcttagga	aatttgtatt	acgagaggga	57060

atataacatc	acttggacca	ggaaacagat	tttttttccc	cagtgttgtc	agaagcccat	57120
tttaactaaa	ataacatagg	atgtttatta	actaaaataa	cataggatga	ttatcttaag	57180
atgtagattc	ctaatacctt	tgacacattt	actaaatcag	acttactagg	gaaagtatct	57240
ctcagtcctt	atcnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	57300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	57360
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	57420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	57480
aacactcaac	ctttttattca	accagcgggtg	agctggatgt	gaacatgaca	gaccagtag	57540
ggttccaatg	cctgacaacc	tgacactgtc	aggaagagcc	ccctcctttc	ctgctccct	57600
gcaacacatg	gttannnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	57660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	57720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	57780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	57840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	57900
gcataatggc	agctccaacc	cagcagaacc	atattctgga	tggagtcaga	actagccaaa	57960
tgtaggctat	ttaaaatata	gcaattgtgc	ctaggcatgt	gtccacctga	ctcatgtaaa	58020
ataaaaagaa	aaggcgttaa	tagaagccag	attatagaac	ataatgttat	taatatgtat	58080
cagggtgctct	tatgagtggc	catatcagag	aaccagcctc	attgttgctg	ttattacgca	58140
acatgagact	gtgctgcaat	tccaagtacc	aagcagtaag	aagaaaattg	ttttctttta	58200
ctgattgctg	catgttgtcc	tgagggtttt	ccctcatct	ctcttctaca	gattttacag	58260
agtctgtggc	tagttcagtc	acattgttct	tagtcatgga	aatattatgg	tctttctgat	58320
tctgtgtagt	gataagtaaa	aagattgttt	ctgctgaggg	gtgaaaagg	cttcaaagta	58380
gtttgctttc	ttgtaaacag	taagacctgc	agagacctg	agaagatgcc	tgatatctcc	58440
ttgaaaatta	aatttctgct	agtgttttga	aggagcgaat	gtgcacttct	cacaggttag	58500
gatctgctgc	tgtgaattct	gaaagttttc	aagatttttg	atttatattt	taattagatc	58560
ctatggtagc	tagtaaaagaa	aatatcattc	tctccaaaac	gtataaatgg	gcccttggtg	58620
attgtgacca	aagctcagaag	tcagattttt	ttttgaagtt	acatgcacat	ttgtcaatag	58680
agttataatt	tacaagtatt	gtcctcannn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	58740
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	58800
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	58860
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	58920
atatagtaat	gataacattt	cctacttaat	tcataaaaag	acagcctatg	ctgttttctt	58980
gttctgagtt	tatatgtttc	tcattgctttt	tattatgggt	cattacaatt	ttaatgttat	59040
ttttaactaa	ctagatcctt	ttgaaacaaa	ttggtttgca	agtgtgagct	gttaggtgca	59100
cagagaaaaa	tgaaaataga	aacttgcgat	tttattctag	gcttggtacc	aaatatttag	59160
aatactgtgt	tttatttagg	tggtttatagt	ctcatttagac	agttgtgatt	ttaaaataga	59220
gaccacatca	tctcaacttc	tttactgtga	aaataatgac	aatagtcctt	tcagagatga	59280
atctgtctag	atgggaaatt	tacatgattg	atctgatgag	nnnnnnnnnn	nnnnnnnnnn	59340
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	59400
cccagaaaaa	ctgatttagt	aaatgtacca	aaaggattta	gaaatctaca	tcataaaataa	59460
acattctatg	ttatttttagt	tcagacccta	ttttaattca	gacttcctat	gggataaaaaa	59520
cttccattct	ttctttaaat	agattcctttt	ggcttgagtg	catttacacc	tgtccccaac	59580
agctggtggg	cttctgtctca	cctagacgg	tgttcatgct	gcactcagtc	caagcagccc	59640
ttatcgagaa	gtcttcttac	cacttgcaat	ctgggtcgaa	ggactcattc	ctggcagagc	59700
ctaacccttca	tgggaaccat	tggcttagaa	gagaggagaa	gnnnnnnnnn	nnnnnnnnnn	59760
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	59820
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	59880
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	59940
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	60000
tgtctccggg	cagtgtctct	gagtctttct	aaaactttat	taaaagttcc	tacaatacat	60060
aaaagagaaa	taggtatgtc	acaaaaattg	ggctcattgt	tgattagcaa	tgtctatgct	60120
ccacctttca	ccagagattt	aacttttttg	ccaattttgc	tctttactgt	cagcccaaag	60180
gtgtctgtgg	aactttgtag	attcttccta	tgggatgaaa	gctttgacaa	acaaggtcct	60240
atttctgtga	gtccaacaac	ccttttcttt	tggcttataa	tgaatagatg	gctaaaactt	60300
ttctctaaca	tgggttaaaga	aatttcagaa	actaatttcc	agccctttta	tttgcttttc	60360

tctctgatca	cttaaaattg	tgatgcatat	gtcctgcatc	tgtnnnnnnn	nnnnnnnnnn	60420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnncatc	tcataaaaact	cttggtcattc	atccctacgc	60480
tccaatctgt	gtctctaaaa	gcctctaggt	tttgccacca	gaaacagcct	tcagaatatt	60540
ggaataatta	catatgtacc	attctcttca	atgaactaaa	ctcctaagca	tagaagtaat	60600
ttaagacagt	gttattttta	atcattttagt	ccaacaacaa	atgccagAAC	tggcctgggt	60660
aatgccatag	gaaccacctt	gtttcctatg	aaacaggaag	agaatttgca	aacctacctt	60720
tactaaataa	tgcttacatt	ttgctatagt	tactcttggc	aagaagttga	gcagtgggag	60780
gtgtatatga	taatatTTac	atttactttct	ctgtgcttac	tgTTaatgtt	ttctgggtaa	60840
aaatatgcaa	ttgactattt	gggaaacttc	atttgtgaac	acaggttata	tatgatcaca	60900
tcctggggga	aaatacatat	ttagtagaaa	gtgcttggcc	agcattttctt	acaagaactt	60960
tctgtctcct	ttttgtggct	gatttttacc	ctgactccag	ggcccagtag	ccattagaaa	61020
gtactgtgct	cctcagccca	gtccaaccat	gcctttatcc	agctgtcact	tgcttcagta	61080
cctgtacatt	ccctttcttt	tagtttatgc	agaaggctgt	aagaagcaac	aggcaagaca	61140
tatcttttgg	tgggtaaaa	atggaccaat	ggtataaaga	ttctggggac	atTTtctaaa	61200
aatatatgaa	cattcatggt	tgatgttaat	tttagtcata	attcccctat	gacacccact	61260
ctcaccttct	tcctgttcat	tctccaagct	actaccagta	atggtcattt	cagcatgcaa	61320
acctgatctt	ggcaatcctc	tgTTaatcct	tcagaggccg	ccagtttcca	ccagggataa	61380
cgtccaaaat	atttacaagg	ctttaaaagc	tcctgcacac	tctgcttcta	tctccaattc	61440
catttgatgc	ccttcctcct	gcaccttctt	gctgcctccc	tccccctgta	aggtctacag	61500
caattctgat	gtttcagtc	cctctctttt	cattctccag	agccatagct	catagtactt	61560
cttcttatgt	catagagaaa	gcataccttc	tcagagattt	ttatgacgtg	tatcctcccc	61620
agcctagctt	agccagtcct	tcactcccca	ctcccgta	cactagcatc	ctctgcttct	61680
ttaaagcaca	cattacctgg	ggaaattggt	aaaaatcnnn	nnnnnnnnnn	nnnnnnnnnn	61740
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	61800
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnaatgagt	ggatggagta	gaaggaggca	61860
ggatgcatgg	acagatgggt	gaggaattgt	attgctagca	cttctctgat	tctttttgat	61920
tttctaaatt	tataccattc	taattctaa	aattaatggt	tcaactgcag	agaatagcag	61980
gtatgcatTT	gtttttatga	aatataata	ttgtgtattt	aagttgaata	ttagcccaaa	62040
gtatcaagca	ggggaaagaa	caattagaaa	aatcatgtac	caatgtctat	tcctgggnnn	62100
nnnnnnnnnn	nnnnnnnttt	aatTaacatt	ttctgcattg	atcaaaaatag	ctcccttgaa	62160
atcaaaagaaa	agtgtttgaa	tttcacaaac	atattttcaat	ttcatagcct	tgcgttcaac	62220
aagtatcaag	cctatttctaa	gttctctttg	agtaaccaaa	atacaaaata	cagacatata	62280
attgctattt	atatgtgatc	taacagaacc	ctctttttatt	tagatgtctt	aggtaagttt	62340
tttattcata	tttatatttt	ttctttttac	aatcctaata	acatagaatt	acaaaaaaag	62400
tgaaccaata	caaatgaaaa	aaaaaatTTc	atttctaata	cttagattac	caatattttag	62460
catattggca	tattggtgta	tttatccctc	tttagtctt	tttttttgg	ttgtgttct	62520
tgtacatgat	tgtgataata	acataatact	gcttgaatga	tttgttctgc	tacttatttc	62580
acttaatat	ttcacataaa	ctctaaagt	tatcggggt	gggtagtttt	ttttctcttg	62640
aaacttcagt	gggatgctct	tagtaatccc	atactggtat	gtgtgaggaa	ggaaaattag	62700
ttaaataaatt	tggatggtt	atagagtaga	gcacacaaaa	ttgtaagaac	caatagcttc	62760
tgagcacttc	tggctctctaa	attccttgga	atgtttccca	gtggattgta	atgaaggat	62820
acatgatcat	ctgctgctaa	attaaatggt	tcttagaaac	caagaaccnn	nnnnnnnnnn	62880
nnnnnnnnnn	nnnnnnnnnn	nnncatctga	cattttacaa	gttgttactt	gactaattct	62940
ttgtgttgcc	atcttcta	tnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	63000
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	63060
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	63120
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	63180
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnaca	ggctcccggt	gccaggaaac	ctttacatca	63240
acactcgatt	tgccatttga	tagtccttca	tctgggagga	aaaaaaaaga	cggaggggag	63300
cttgaaaaac	tgtcataatg	tccctggaat	atggtacttt	taagagttga	gcctattcca	63360
ttttggagat	gatttatata	agttacaaca	aaagaagggg	acaaaaacat	gattgttcta	63420
tggagttttt	ataactttct	gtcacaagaa	agcacgcttg	tctacaattt	tgtaatatTT	63480
ctagtaaata	aaagaggcac	tccccgtctc	agagcaccaa	ataaggaaa	tgtaattgga	63540
tgtcattgct	gtcagtcagc	tgggctataa	aagagagagt	ggggttgctt	catcccctgg	63600
gtatccacag	tcagctgtgt	ccctagagct	tcttttcttt	cattgctgcc	cagctgggta	63660

tattgcaagt	atggattata	agagggggaag	ggacttcact	gttttaacgt	ttgaaacaaa	63720
aaggaaaaaa	ctcagaagta	gtaagctaaa	aacaacttgt	gcaaacgttc	tgggattatt	63780
acttaatttt	aagaattttt	gctaaaaaca	ataggaacat	cgttgaaaaa	agaaccctt	63840
tgagtgatga	ctgtttcata	gtgttctaca	tctcctactc	cctgccttat	aaaaataaag	63900
ctaattaatt	gaagttcttg	caaagagaag	ggagtattcc	ttggcctttg	accannnnnn	63960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	64020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	64080
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	64140
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	64200
nnnnnnnnnn	nnnnnnnnnn	nnaatgattt	aaagaaatca	attatttttt	taaagtagat	64260
tcttatgctt	tgtccactt	gtgtcctttg	aggaaaagt	tgaaatacta	cctgggggtt	64320
taacaggatc	tttgnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	64380
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	64440
nnnnnnnnnn	cacatgtgtg	taaatagctg	caattcttta	tgaaagtgtg	taataggggc	64500
ttataagcat	gaactcttga	ggtacaagag	ggaagaattt	gattctgcct	ggggcagaat	64560
cactccacag	aggccgtgat	atztatgctg	ggccttgaag	gaagaagaga	tttttggcag	64620
gttaatttag	aggaaagaga	gcattgggtc	tgagacgtga	aatgaatgg	catgtttgga	64680
cagcattgtg	tatttttggt	gggtagattg	taaactctgg	cccaagaagt	ttgagtttga	64740
tcttaaagga	gccagggaaa	ctgtttaagc	aagggaggcc	atggtaggaa	atgtatatta	64800
gagtgcacaa	atgtgcggag	ttcactgggg	gtggggagta	catgctgtga	ttagaaacca	64860
aaccattcgc	ttccatcata	ggtattttca	gttaaaacaa	ccttgattta	aagatcataa	64920
taatgtatct	ttcgtagaga	tgaactttag	aatttcatag	agatgaatag	ttggctagaa	64980
attggttgct	ctattaaaa	gtattttcca	gataaagact	ttttaagtta	tttttgttga	65040
attttagaaa	cttttgaaaa	tcatttttaa	aaaaatgtacc	cagatcaagg	ttgcagtata	65100
aatcactgca	gaacaaaatt	cgtgaatctt	catgtgatat	ataattaaat	attttggatt	65160
catccagatg	aataaaaatga	ctaggccttt	tcctcctgcc	cctgttaaag	gtaatgcctc	65220
tttatcaata	cttcacacac	acacacacac	aaaaactcaa	aacctttctc	ttgcagttcc	65280
acggcaacct	tcaaatgact	tgtttgaaat	atltgaaata	gaaagaggag	tcagtgcaga	65340
cgatgaagca	aaggatgac	caggtgacac	ttacactctt	agtgccatca	taatgacatt	65400
ttattgtttc	tctccatgaa	aataactttt	aaatgtagat	cgtttggacc	atltgggaaa	65460
attacacctg	ttttctttta	caactcagat	tttctttgta	gttaaatacag	ttgagcnnnn	65520
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	tagtacttaa	actgtaaaaa	65580
ggaaatcata	ttttataagt	gatgatgtaa	cattgttata	atltggcaac	acttgttgtt	65640
tctattttta	cagatgatgc	actattgtgc	tgagaaaaga	ttaatgtaat	ttccctttgg	65700
tcttatggaa	agaagctctg	gttatatgga	taggagagaa	cacttggtgt	ctagataccc	65760
ctagttcata	gattcatttg	ttgttttttg	ttgattttct	gatccactca	tctttctgat	65820
tatttccttg	taggtgttct	ggtacacagt	tgtaattttg	accatggact	ttgtggatgg	65880
atcagggaga	aagacaatga	cttgactggg	gaaccaatca	gggaccagc	aggtaaaacc	65940
atltcattta	actttttctg	gtacacattt	caatgtgata	ctatctgaag	actccactgc	66000
tgctaataca	gtctactgta	acacatctct	gtgtttactt	gataaagatg	gtcaaaaagg	66060
accatgccta	gcatttatat	ttcattttct	tgaaagagtt	aaattttgta	gctatcaact	66120
agcactatat	tatgggagac	aagtagttta	ttaaaaggtc	aactaatttc	tctcaaaaag	66180
cttgataaat	aaaatattta	gattaattct	tgcaataaat	tcttaagtta	tttgtagcac	66240
ccattcccag	gaataaaaaga	agtaatatag	tggtatatca	gccatggtaa	taggcattcc	66300
ccagttgnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnagat	ttgagtggta	66360
gtagaagaac	acagtggaaa	tttctataaa	gttgtgatta	tcctctgaaa	aaatttcact	66420
ctaacttggg	tgctgaagga	aatggttacg	aatcaccacc	actcatttta	taacaaaagg	66480
tagattttaga	catagttcct	tggaaactcaa	aggagtttta	aattgcacaa	ttcctattta	66540
tctaaagttt	tagtactcat	aagacatctt	ttcttctaga	ttcaagatag	cttttctccc	66600
ctcagtagtt	aaatcnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	66660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	66720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	66780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	66840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	66900
nnnnnnnnnn	nnnnnnngaag	ttaaatcttt	tatggataag	gcctacttaa	tggaaggggtg	66960

aggagtttgg	tttcattttt	tttccttttt	atactcctga	ttctagattt	taagaagata	67020
cagaatgtga	aggaaaagct	tggtattttca	tttatttttaa	aagcctagtt	cttgaataacc	67080
atactggata	agagcaccaa	acacagaaaa	gttaacttga	gagagctcat	gatatcttaa	67140
accagctcnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	67200
nnnnntcatg	catttctagc	aggctccctg	aagatctcta	tggtggtcct	caacgcacat	67260
tttgagtaac	aaggtattaa	aaaattagtn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	67320
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnatttac	ttaaaaatta	67380
aaatgtgaat	taaattcctt	aaaataggaa	tattcaataa	attccaaatt	ggttcataca	67440
tttctttttca	ttgtaaaaga	caatatcatt	tagtgcctca	cacacagtac	tctcagtcac	67500
tcttgcattha	ctgtcttact	cattttaaagt	taactctgag	caggacagca	ttatcattaa	67560
tgtcacagat	tctgtgaata	agagagaaac	caacatatct	acnnnnnnnn	nnnnnnnnnn	67620
nnnnntacaa	tataaaaatac	ctatgacagt	cctagcttat	ttaaaatctc	atcaattttta	67680
tttaattgta	gcaattaaaa	taaattttatt	tcatttgctac	agagttgtag	caattttacac	67740
tcttaccac	agtatttgaa	aaccatcccc	aacagatatt	ataaaaagtat	tttttttaa	67800
ctctaccaat	cttataggtg	aaaagggaatc	tctttttaatt	ttactttgca	tttcttctat	67860
tgtgaaaagt	tgatcatggt	ttatcattca	ctcgaggagc	aaannnnnnn	nnnnnnnnnn	67920
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	67980
nnnnnnnnnn	nnnnnnnnnn	nnnnctctgt	actactcatg	caggctccta	gacagtccaa	68040
tactcagaac	atctgcagca	ttatttgtgt	tttgactgta	ccacaggctg	gcctcagtag	68100
gtgtgcatgt	ggtagtgtgc	atgatctgat	tagcagatca	cagacctgta	gattagactg	68160
actgaccact	gacctggagt	agtttgctac	agaaggaggg	atctttggca	gtcatgtatg	68220
acagaatggt	gaataatatt	tatggtcata	atgaatgatt	ccttcaagta	agttacactg	68280
gggagagtaa	ttcatgctaa	actcaggaga	attcactgca	cttctatgta	aacaatctat	68340
gtaaaatact	tgagtttttag	aattttaaata	ctgtattttta	gaaccaattt	agtccttttc	68400
aacatttttt	tattatttcat	tattatttgta	aatgttttaaa	tttgttgtga	cccaaatactc	68460
ccttttctctc	tgatggaaaa	atgagaagag	ggttagaaat	tagaatggta	gacaaagaaa	68520
tttgaaatcg	ttattggacc	gtgttagtac	agagcaaat	gaaagggaaga	gatgcctgct	68580
tgagtgattg	gataactcgt	gatgattggc	tacggctccct	ggaggatgct	tttctagaat	68640
tggtccaagt	ttttaccaag	aacttagata	aataggacat	tgaacttaat	attgaagata	68700
aactgaccaa	actacggttg	actcaaatct	ggagaggaaa	gtgactatgt	gtgctgatac	68760
aaccagcatt	cgaaaaatta	gattaatggg	tcacaattaa	gaaggtgaaa	tgtaatgggg	68820
ttgagtcgaa	gttatggctc	atagtcgaga	aaccagtcac	acatctgagt	gagggggaag	68880
acctgacata	tactaagggt	tagaagactt	tagagtttta	gtgtgtaatg	aatcaatct	68940
aagcgaacct	tgtgatgttg	ctgccagaaa	tatggaccat	ctctatagaa	atatgctatg	69000
tttcaagaat	gaaaatccac	tttggttaag	tgggtgaatcc	acttttgaga	attctttttt	69060
tctaatatga	gaagaataga	gttgggtcact	tagaagagga	tgacctgcat	ggaaagggtat	69120
ctccaagctt	gtgaaaaaca	ggcaaaggaa	ccataacggt	tagcctggag	aagaaatgat	69180
gcatcagggt	tcctttttcaa	ataattgact	agggttagag	ttgttctctg	tgaccgaaag	69240
gggatgagaa	taggattgat	gggtaaaaaa	tacagggaga	ttcatttttg	ctcactgtca	69300
tctaaaaaga	gaacaggctg	acatggaaag	agtgaagttat	cttgggtgaa	gcatttgact	69360
gggtgacata	tggcaagata	ctgttaaaag	gttttgagca	tcagatgaaa	gttggattag	69420
aaaacctcta	aaccagctct	gagagcctga	ttcagaatgg	aatgtggaaa	tagtcccaag	69480
aaattcagtg	agcaggattc	tagcttggaa	agaaggatgg	gaagaccaaa	agatggcaga	69540
gagttggaag	gcaggatatg	tgaggatgga	attgcagaat	atatttttag	aatatgttga	69600
gagaattata	accagcact	gatgggaaaa	tactaataaa	gcttaccttt	tcatggtttt	69660
ttattctagg	aaattcaggt	ggatggannn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	69720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnntc	acatgtgaag	gccagagaag	aatataaaaa	69780
atcnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	69840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	69900
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	69960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	70020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	70080
aataatttct	gtgtattatt	ctaattacca	agctaattat	ttacctatit	ctatctagat	70140
tataccactt	ataaaagaat	atgtgtttgg	atatccaatt	atggatgatt	ttaatgatgt	70200
gcagttctaa	tccaagatcc	agatttgtaa	atattcttat	atgctaatat	ttctaagaaa	70260

actctcaaaa	ctcaaaacct	taagaaatag	ctgcaaaaata	agtgcatttg	ctagctgcct	70320
ttcatgggtgc	tattaggttt	tatcacattc	agtcacagtg	agatgtgaaa	ttaacaatgc	70380
ctctaagaaa	tggaaaattg	tgctgctgac	agacatgggtg	atgcgctgca	ggtatgtagc	70440
tgtggccctg	gggacacacc	cttctcctgt	gtgtgtcaaa	gctagaacta	aggccctttt	70500
cctggaacct	tgatctctgg	agaacaagga	ttaagggcaa	ctgactcagc	actctgtctg	70560
ccactgatag	ctacaaggaa	tttgcttaca	tatgtatcaa	gtatgccagc	atgtacatac	70620
aagtatgtct	atttcagcat	taaaacatta	ttttaaaata	cacataaatg	taaaataaat	70680
caacaatata	agtgaagct	ttctaccacc	cctgactccc	cattcaccac	ccagcaagat	70740
gcagccagtt	tcttgattat	gttctcagag	agataTTTTT	ggatacaatg	gcatttctctt	70800
ctgtgccttg	cctttgtcac	ttatcgatac	taccttaaga	gttaacaggn	nnnnnnnnnn	70860
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	70920
nnnnnnnnnn	nnnnntgggg	ataataagta	ctatccacta	nnnnnnnnnn	nnnnnnnnnn	70980
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnngc	tgaagcatgt	71040
cccctgtcag	tacatacaga	acaccnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	71100
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	71160
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	71220
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	71280
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	71340
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	71400
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	71460
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnntcat	tttttctctg	atgttcttta	71520
tttttcttta	gtatttttat	tgattttatgg	aagttttcta	tacaaaaaga	aaaattatcc	71580
ttttttaatt	tgttgcaaat	atttaaaaac	atttttgttt	gtctatttta	tggatttttt	71640
atcttaacat	gcaaatttgg	aaacttaaat	gttcttcagt	aagaaattgg	ctaaatgggt	71700
attggcatac	ttgcagcaat	gcaaagtgtat	tttgctacca	tagaaaaatg	gttatacaag	71760
aagcaactta	caacactgca	aatatagtat	tctttttttt	aaaaaaagtt	catattcatg	71820
tgcattttatg	tgaatgtatt	acataagaaa	agttcagaag	tcaaaacctt	cacaaataacc	71880
tctagattttt	gtgaattgaa	aattttaaagg	caccaaccac	tacagaatta	aaaataaata	71940
aactaacatt	ttataaccca	actttctggt	caagttttgc	agcatctatt	atttaccctc	72000
cctcccaaaa	attcttgaga	tattgtgata	ctgtaaaactg	aatgaatggt	taatataatt	72060
gtacattttat	caccagaatt	atgaaatcag	aagtgaaaat	tttaataggt	aacttgcttg	72120
acactgaatc	aatttttccc	ttagttaatg	ttccaacttg	tatcatttcc	tttattacaa	72180
agggaacgaa	ttcttcatgg	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	72240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	72300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	72360
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	72420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnntac	ctgtgatgat	tcaaaagctg	acttatagtg	72480
agacatgtaa	atattttggc	ccaaaatatt	gtttggatta	gtttgtggag	gaaggggaca	72540
agggaagtgg	gagaaagatt	cttaagacat	tatgtatttt	tagtgattca	agtacgtgaa	72600
tcaaggatct	atttccctgc	agttttttgc	tgtatccttg	gaacatcatt	cgttgattca	72660
aacatcctta	aacacctgct	gcctgctagc	agggtaacac	agaggtttgg	gggaaacttt	72720
ggttcagact	tttaagttgt	tcacaacctg	ctggggagcc	cttagcacag	aggctggcac	72780
acagtaagtg	cacagaaatc	acctgtgacc	tatagagctc	cgacgggact	tgttagagaa	72840
gacactggaa	taaaaagtta	ataccaaat	ttatcatgtc	ctgtataaat	taagcataag	72900
aaagagatga	tagtttatat	ctgttaactg	aaaactaaat	gggattacta	ccaaaataga	72960
tacacatggt	caacattcca	accatttttc	tatggaaaaa	ccagtgttga	aacatacagt	73020
gtgttttcag	ttgactgaga	taaaatagcc	tgagggaatg	tcatttgtac	atggatcaag	73080
tttcaaaaata	ctacttgcaa	ctttctctct	cttgagaagc	agcaccctcc	acttcactgc	73140
tgtttaacca	ttttttttct	aatgcagttt	ccttaacaac	agagggaaga	aaactctgta	73200
gccctagggg	tctgagaaca	tcatcaaagt	ggtctatcta	aagtgaaggt	ttttattaat	73260
atttgtgttc	atgtatatat	aataggacat	atztatagaa	tagatatgat	atagatttgt	73320
tttactataa	aaatgtttta	aatggcttac	ctccaaataa	aattgaagct	ccaggaagac	73380
ggggagggtt	tcctgaatac	ctctgtatct	tcctggtgtt	agattttacac	cagtgtgaga	73440
agctctgcc	actctgattt	tttttttaaa	gaacctttac	gttttagagat	tttttttttt	73500
taagttgggg	gaggagagaa	taagcagata	tagggccctt	taaatcacca	tctgctttac	73560

tggtcagagg	ttaattatcc	accagaaaaat	tctccctaga	aatttaggggt	cagttttacc	73620
aaaccaccaa	gccagatcgc	caggggtggt	ggacaacggt	atcataaact	ggtgaggggc	73680
acaagggtgt	gaatgtgtat	atgttgctgt	atgcctatat	gtctgatcat	attccattgg	73740
aaatattcat	agtgtttggt	tactaattat	tgtgtgtctc	tggcattact	tgtactttcc	73800
atgagcaaa	taagtgaatg	ttttctgtaa	acacatacca	tagaacttaa	gacaggcata	73860
caaataagtc	atatttttct	tcttcaaaaa	tctgggaatt	ctttacaaa	aaaagaaaaa	73920
aaaaaaaaa	ctaaaactcc	tgtccatgct	gcttgttcta	gaaagggata	ttggcacata	73980
cacacagccc	tgcttttccc	attccaggtg	gacaatatct	gacagtgtcg	gcagccaaag	74040
ccccaggggg	aaaagctgca	cgcttggtgc	tacctctcgg	ccgcctcatg	cattcagggg	74100
acctgtgcct	gtcattcagg	cacaagggtg	cggggctgca	ctctggcaca	ctccaggtgt	74160
ttgtgagaaa	acacggtgcc	cacggagcag	ccctgtgggg	aagaaatggg	ggccatggct	74220
ggaggcaca	acagatcacc	ttgcgagggg	ctgacatcaa	gagcgttaag	agatccacaa	74280
aggaggcagg	acctgggacg	ttttcctttc	ataggagaac	tctgggatct	gaatttgaag	74340
aagccttgct	gtgtgaattc	aggctcagat	aaaggtttgg	gtttttttct	gggcctgatg	74400
actccattca	gtgtctcttt	ctgaaaccac	tttctgcttc	ttcatccttc	ttcattgcaa	74460
cctgtgatca	ccacctctcc	ctaaccctgg	ttaaagatcca	ttttttttta	atggaaaaaa	74520
aaatctagga	atagaaaagt	ttttttgggt	ttttttaaag	ttgatcaaca	gaaacttcca	74580
aggggtgggg	ggtgagctta	attgttcctg	ctttcccttt	cctttttaatt	ccttagattt	74640
caaactttta	ctaccataaa	ttacccagga	gatggttctt	ttttcttttt	tgaaatgttt	74700
ctttcaagtt	caaatttttt	tctttgtttc	agagatcaca	gttaagcagc	gtaggggtggg	74760
aactcagaac	tacaattgga	aagcactatt	ctattcagga	caggatgtgg	gaagtgcctt	74820
gatggaatat	ataaatttga	tcttaagtaa	tcaagacata	ggtagcaaaa	aaatggtcta	74880
gggcatccca	acaaaattat	gaatgcattt	gggaaaatgt	catcattttg	ctggtgctta	74940
tgaaacttgc	tgttgggaga	tacctatgcc	tgtatgtagg	tatagtttat	aagaaacctt	75000
tttagaaaag	aaagatagat	tccatttaata	cagtttttat	cagagtactt	ggattttgtt	75060
taattcttac	atattttttc	ttaaaacttt	tctcagtatt	tttattgttt	agagaaataa	75120
aacaagataa	tcatttttaa	tcatagcact	tacgttttct	cttggttttt	aaggagcaag	75180
gatgctctat	agaaaatata	atgtaagaat	aataaaaagt	tttggttttt	acataggtta	75240
agcaacagtg	tgattggatt	atgggtgttg	attctattcc	attttcagca	agaaagcgat	75300
gttaaccaca	aaggaaacta	gaaacattta	agataggctg	tgtgattatg	atctttcaga	75360
tctttggctc	ctaataatct	ttcctttata	ttctatcaca	ctcttctaac	tttggttaac	75420
cttgacaaaa	gtgtgcactt	tataaacaat	cctaaatcga	attggtctat	agcttagaat	75480
ggccttttaa	agaataattg	attctgagta	atgtggctct	atgaacagtt	tgatgacttc	75540
agtttctact	gaaagagaag	cttcagtgat	actggcaact	atattctgtt	tttttcctcc	75600
tgcaaaaata	gtttaaaatt	ggtttggggg	aaggtttgcc	tttatttttg	cttaataaag	75660
aggcattaga	aagggggcaga	ggaggcttga	ctggtgtgtg	cattctctcc	ctaggtcgtc	75720
ttcaaagggt	aaaaaaggcg	tggtcacact	ggggagattg	gattagatga	tgtgagcttg	75780
aaaaaaggcc	actgctctga	agaacgctaa	caactccaga	actaacaatg	aactcctatg	75840
ttgctctatc	ctctttttcc	aattctcatc	ttctctcctc	ttctcccttt	tatcaggcct	75900
aggagaagag	tgggtcagtg	ggtcagaagg	aagtctattt	ggtgacccag	gtttttctgg	75960
cctgcttttg	tgcaatccca	atgaacagtg	ataccctcct	tgaaatacac	gggcatcgca	76020
gacacatcaa	agccatctgt	gggtgttgcc	ttccatcctg	tgtctctttc	aggaaggcat	76080
tcagcatgcy	tgagccatac	catcctccat	cctgattaca	aggtgctcct	tgtagcaaat	76140
tatgagagtg	agttacggga	gcagtttttt	aaagaaatct	ttgcagatgg	ctatgatgtt	76200
atgtgttcgg	tgttgtacca	tgagtagtat	tgacttccct	tgagatatga	tgtacaatgt	76260
gcttgtgaaa	ttgacttacc	ctcttcactt	aagttagttc	tggcctgacc	tgaactctga	76320
cttttactgc	cattcacttt	ataaaaataag	ggtgtgtaac	atatcaagat	acattttatt	76380
ttatctgttt	tttttttctt	gttaaagaca	attatgtaga	gtgggcacgt	aatccctcct	76440
tagtagtatt	gtgttttggt	taaatgtgct	attgatatta	agtatttaca	tgttccaaat	76500
atttacagac	tctagttgca	aggtaaaggg	cagcttggtg	tctcaaaaaa	atacatgggt	76560
aaatgtcatc	cagttccatg	accttatatt	ggcagcagta	ggaaattggc	agaagtgttg	76620
ggttgtggta	acggagtgat	gaattttttt	ttaatggcct	tgagtttgat	ctctgcaaa	76680
gataggaaac	cttttaggaag	acaagaaact	gcagttaatt	tagaactgtc	actgtttcaa	76740
gttacacttt	aaaaccacag	cttttaccat	cataacatgg	ctctggtaat	atgtagggaag	76800
ctttataaaa	gttttggttg	attcagaaaa	aggatcctgt	tgcagagtga	gaggaagcat	76860

```

aggggggaaac tccattggaa cagatttttca cacaacgttt taaattgata taagtttagg 76920
cagttgtagt tcataactta tgttgctcat gttgtgctgt gtcaggatgg gataggaagc 76980
aagtcccatg cttagaggca tgggatgtgt tggaacggga ttacacaca ctggaggagc 77040
agggcaagtt ggaattctaa gatccatgaa cccccaactg tatttctcc ctgcataatt 77100
taccaatata ttaaaaaaca atgtaacttt taaaaggcat cattcctgag gtttgtctta 77160
atttctgatt aagtaatcag aatattttct gctgtttttg ccaggaatca caaagatgat 77220
taaagggttg gaaaaaaaga tctatgatgg aaaattaaag gaactgggat tattgagcct 77280
ggagaagaga agactgagg gcaaaccatt gatggttttc aagtatatga agggttggca 77340
cagagagggt ggcgaccagc tgttctccat atgcactaag aatagaacaa gaggaaactg 77400
gcttagacta gagtataagg gagcatttct tggcaggggc cattgttaga atacttcata 77460
aaaaaagaag tgtgaaaatc tcagtatctc tctctctttc taaaaaatta gataaaaatt 77520
tgtctattta agatggttaa agatgttctt acccaaggaa aagtaacaaa ttatagaatt 77580
tcccaaaaga tgttttgatc ctactagtag tatgcagtga aaatctttag aactaaataa 77640
tttgacaag gcttaattta ggcatttccc tcttgacctc ctaatggaga gggattgaaa 77700
ggggaagagc ccaccaaag ctgagctcac tgaaatact ctcccttatg gcaatcctag 77760
cagtattaaa gaaaaaagga aactatttat tccaaatgag agtatgatgg acagatattt 77820
tagtatctca gtaatgtcct agtgtggcgg tggttttcaa tgtttcttca tggtaaagg 77880
ataagccttt catttgttca atggatgatg tticagattt tttttttttt aagagatcct 77940
tcaaggaaca cagttcagag agattttcat cgggtgcatt ctctctgctt cgtgtgtgac 78000
aagttatctt ggctgctgag aaagagtgcc ctgcccaca ccggcagacc ttctcttcac 78060
ctcatcagta tgattcagtt tctcttatca attggactct ccaggttcc acagaacagt 78120
aatatttttt gaacaatagg tacaatagaa ggtcttctgt catttaacct ggtaaaggca 78180
gggctggagg gggaaaataa atcattaagc ctttgagtaa cggcagaata tatggctgta 78240
gatccatttt taatggttca tttcctttat ggtcatataa ctgcacagct gaagatgaaa 78300
ggggaaaata aatgaaaatt ttacttttcg atgccaatga tacattgcac taaactgatg 78360
gaagaagtta tccaaagtac tgtataacat cttgtttatt atttaagtgt ttctaaaata 78420
aaaaatgtta gtggttttcc aaatggccta ataaaaacaa ttatttgtaa ataaaaacac 78480
tgttagtaat accagttgtc tattcttgtt ttttgagttt tgtttttttt tgacttggaa 78540
aaaagcattg aggtagttaa atgatgtttc acaaaagtca tagtagaatc ctttttactg 78600
tttgatgggt gggaacaaag atgttgccctg cagtattata ctttctaggt tataaaacat 78660
gagacacttt atttttttta tcagcatgaa cagggaaaga gatcagaaga tcactataac 78720
ccatgccatg ccttagtaaa ttgcttttagt tatgttttat tatcatttca ttgtaaacad 78780
ttgct 78785

```

<210> 4
 <211> 609
 <212> PRT
 <213> Mus musculus

```

<400> 4
Met Ala Val Leu Leu Ala Ala Val Leu Ala Ser Ser Leu Tyr Leu Gln
 1          5          10          15
Val Ala Ala Asp Phe Asp Gly Arg Trp Pro Arg Gln Ile Val Ser Ser
 20          25          30
Ile Gly Leu Cys Arg Tyr Gly Gly Arg Ile Asp Cys Cys Trp Gly Trp
 35          40          45
Ala Arg Gln Ser Trp Gly Gln Cys Gln Pro Phe Tyr Val Leu Arg Gln
 50          55          60
Arg Leu Ala Arg Ile Arg Cys Gln Leu Lys Ala Val Cys Gln Pro Gln
 65          70          75          80
Cys Lys His Gly Glu Cys Val Gly Pro Asn Lys Cys Lys Cys His Pro
 85          90          95
Gly Phe Ala Gly Lys Thr Cys Asn Gln Asp Glu Ser Phe His Pro Thr
100          105          110
Pro Leu Asp Gln Gly Ser Glu Gln Pro Leu Phe Gln Pro Pro Asp His

```

	115		120		125														
Gln	Ala	Thr	Asn	Val	Pro	Ser	Arg	Asp	Leu	Asn	Glu	Cys	Gly	Leu	Lys				
	130					135					140								
Pro	Arg	Pro	Cys	Lys	His	Arg	Cys	Met	Asn	Thr	Phe	Gly	Ser	Tyr	Lys				
145					150					155					160				
Cys	Tyr	Cys	Leu	Asn	Gly	Tyr	Met	Leu	Leu	Pro	Asp	Gly	Ser	Cys	Ser				
			165						170						175				
Ser	Ala	Leu	Ser	Cys	Ser	Met	Ala	Asn	Cys	Gln	Tyr	Gly	Cys	Asp	Val				
			180					185						190					
Val	Lys	Gly	Gln	Val	Arg	Cys	Gln	Cys	Pro	Ser	Pro	Gly	Leu	Gln	Leu				
		195					200					205							
Ala	Pro	Asp	Gly	Arg	Thr	Cys	Val	Asp	Ile	Asp	Glu	Cys	Ala	Thr	Gly				
	210					215					220								
Arg	Val	Ser	Cys	Pro	Arg	Phe	Arg	Gln	Cys	Val	Asn	Thr	Phe	Gly	Ser				
225					230					235					240				
Tyr	Ile	Cys	Lys	Cys	His	Thr	Gly	Phe	Asp	Leu	Met	Tyr	Ile	Gly	Gly				
				245					250					255					
Lys	Tyr	Gln	Cys	His	Asp	Ile	Asp	Glu	Cys	Ser	Leu	Gly	Gln	His	Gln				
			260				265						270						
Cys	Ser	Ser	Tyr	Ala	Arg	Cys	Tyr	Asn	Ile	His	Gly	Ser	Tyr	Lys	Cys				
		275					280					285							
Gln	Cys	Arg	Asp	Gly	Tyr	Glu	Gly	Asp	Gly	Leu	Asn	Cys	Val	Tyr	Ile				
	290					295					300								
Pro	Lys	Val	Met	Ile	Glu	Pro	Ser	Gly	Pro	Ile	His	Met	Pro	Glu	Arg				
305					310					315					320				
Asn	Gly	Thr	Ile	Ser	Lys	Gly	Asp	Gly	Gly	His	Ala	Asn	Arg	Ile	Pro				
				325					330					335					
Asp	Ala	Gly	Ser	Thr	Arg	Trp	Pro	Leu	Lys	Thr	Pro	Tyr	Ile	Pro	Pro				
		340						345					350						
Val	Ile	Thr	Asn	Arg	Pro	Thr	Ser	Lys	Pro	Thr	Thr	Arg	Pro	Thr	Pro				
		355					360					365							
Asn	Pro	Thr	Pro	Gln	Pro	Thr	Pro	Pro	Pro	Pro	Pro	Pro	Leu	Pro	Thr				
	370					375						380							
Glu	Pro	Arg	Thr	Thr	Pro	Leu	Pro	Pro	Thr	Pro	Glu	Arg	Pro	Ser	Thr				
385					390					395				400					
Arg	Pro	Thr	Thr	Ile	Ala	Pro	Ala	Thr	Ser	Thr	Thr	Thr	Arg	Val	Ile				
				405					410					415					
Thr	Val	Asp	Asn	Arg	Ile	Gln	Thr	Asp	Pro	Gln	Lys	Pro	Arg	Gly	Asp				
		420						425					430						
Val	Phe	Ile	Pro	Arg	Gln	Pro	Thr	Asn	Asp	Leu	Phe	Glu	Ile	Phe	Glu				
	435						440					445							
Ile	Glu	Arg	Gly	Val	Ser	Ala	Asp	Glu	Glu	Val	Lys	Asp	Asp	Pro	Gly				
	450					455					460								
Ile	Leu	Ile	His	Ser	Cys	Asn	Phe	Asp	His	Gly	Leu	Cys	Gly	Trp	Ile				
465					470					475				480					
Arg	Glu	Lys	Asp	Ser	Asp	Leu	His	Trp	Glu	Thr	Ala	Arg	Asp	Pro	Ala				
				485					490					495					
Gly	Gly	Gln	Tyr	Leu	Thr	Val	Ser	Ala	Ala	Lys	Ala	Pro	Gly	Gly	Lys				
			500					505					510						
Ala	Ala	Arg	Leu	Val	Leu	Arg	Leu	Gly	His	Leu	Met	His	Ser	Gly	Asp				
		515					520					525							
Leu	Cys	Leu	Ser	Phe	Arg	His	Lys	Val	Thr	Gly	Leu	His	Ser	Gly	Thr				
	530					535					540								
Leu	Gln	Val	Phe	Val	Arg	Lys	His	Gly	Thr	His	Gly	Ala	Ala	Leu	Trp				
545					550					555				560					

Gly Arg Asn Gly Gly His Gly Trp Arg Gln Thr Gln Ile Thr Leu Arg
565 570 575
Gly Ala Asp Val Lys Ser Val Ile Phe Lys Gly Glu Lys Arg Arg Gly
580 585 590
His Thr Gly Glu Ile Gly Leu Asp Asp Val Ser Leu Lys Arg Gly Arg
595 600 605
Cys

<210> 5
<211> 592
<212> PRT
<213> Mus musculus

<400> 5
Met Ala Val Leu Leu Ala Ala Val Leu Ala Ser Ser Leu Tyr Leu Gln
1 5 10 15
Val Ala Ala Asp Phe Asp Gly Arg Trp Pro Arg Gln Ile Val Ser Ser
20 25 30
Ile Gly Leu Cys Arg Tyr Gly Gly Arg Ile Asp Cys Cys Trp Gly Trp
35 40 45
Ala Arg Gln Ser Trp Gly Gln Cys Gln Pro Val Cys Gln Pro Gln Cys
50 55 60
Lys His Gly Glu Cys Val Gly Pro Asn Lys Cys Lys Cys His Pro Gly
65 70 75 80
Phe Ala Gly Lys Thr Cys Asn Gln Asp Glu Ser Phe His Pro Thr Pro
85 90 95
Leu Asp Gln Gly Ser Glu Gln Pro Leu Phe Gln Pro Pro Asp His Gln
100 105 110
Ala Thr Asn Val Pro Ser Arg Asp Leu Asn Glu Cys Gly Leu Lys Pro
115 120 125
Arg Pro Cys Lys His Arg Cys Met Asn Thr Phe Gly Ser Tyr Lys Cys
130 135 140
Tyr Cys Leu Asn Gly Tyr Met Leu Leu Pro Asp Gly Ser Cys Ser Ser
145 150 155 160
Ala Leu Ser Cys Ser Met Ala Asn Cys Gln Tyr Gly Cys Asp Val Val
165 170 175
Lys Gly Gln Val Arg Cys Gln Cys Pro Ser Pro Gly Leu Gln Leu Ala
180 185 190
Pro Asp Gly Arg Thr Cys Val Asp Ile Asp Glu Cys Ala Thr Gly Arg
195 200 205
Val Ser Cys Pro Arg Phe Arg Gln Cys Val Asn Thr Phe Gly Ser Tyr
210 215 220
Ile Cys Lys Cys His Thr Gly Phe Asp Leu Met Tyr Ile Gly Gly Lys
225 230 235 240
Tyr Gln Cys His Asp Ile Asp Glu Cys Ser Leu Gly Gln His Gln Cys
245 250 255
Ser Ser Tyr Ala Arg Cys Tyr Asn Ile His Gly Ser Tyr Lys Cys Gln
260 265 270
Cys Arg Asp Gly Tyr Glu Gly Asp Gly Leu Asn Cys Val Tyr Ile Pro
275 280 285
Lys Val Met Ile Glu Pro Ser Gly Pro Ile His Met Pro Glu Arg Asn
290 295 300
Gly Thr Ile Ser Lys Gly Asp Gly Gly His Ala Asn Arg Ile Pro Asp

305					310					315				320
Ala	Gly	Ser	Thr	Arg	Trp	Pro	Leu	Lys	Thr	Pro	Tyr	Ile	Pro	Pro Val
				325					330					335
Ile	Thr	Asn	Arg	Pro	Thr	Ser	Lys	Pro	Thr	Thr	Arg	Pro	Thr	Pro Asn
			340					345					350	
Pro	Thr	Pro	Gln	Pro	Thr	Pro	Pro	Pro	Pro	Pro	Pro	Leu	Pro	Thr Glu
		355					360					365		
Pro	Arg	Thr	Thr	Pro	Leu	Pro	Pro	Thr	Pro	Glu	Arg	Pro	Ser	Thr Arg
	370					375				380				
Pro	Thr	Thr	Ile	Ala	Pro	Ala	Thr	Ser	Thr	Thr	Thr	Arg	Val	Ile Thr
385					390					395				400
Val	Asp	Asn	Arg	Ile	Gln	Thr	Asp	Pro	Gln	Lys	Pro	Arg	Gly	Asp Val
			405						410				415	
Phe	Ile	Pro	Arg	Gln	Pro	Thr	Asn	Asp	Leu	Phe	Glu	Ile	Phe	Glu Ile
			420					425					430	
Glu	Arg	Gly	Val	Ser	Ala	Asp	Glu	Glu	Val	Lys	Asp	Asp	Pro	Gly Ile
		435					440					445		
Leu	Ile	His	Ser	Cys	Asn	Phe	Asp	His	Gly	Leu	Cys	Gly	Trp	Ile Arg
	450					455					460			
Glu	Lys	Asp	Ser	Asp	Leu	His	Trp	Glu	Thr	Ala	Arg	Asp	Pro	Ala Gly
465					470					475				480
Gly	Gln	Tyr	Leu	Thr	Val	Ser	Ala	Ala	Lys	Ala	Pro	Gly	Gly	Lys Ala
				485					490					495
Ala	Arg	Leu	Val	Leu	Arg	Leu	Gly	His	Leu	Met	His	Ser	Gly	Asp Leu
			500					505					510	
Cys	Leu	Ser	Phe	Arg	His	Lys	Val	Thr	Gly	Leu	His	Ser	Gly	Thr Leu
		515					520					525		
Gln	Val	Phe	Val	Arg	Lys	His	Gly	Thr	His	Gly	Ala	Ala	Leu	Trp Gly
	530					535					540			
Arg	Asn	Gly	Gly	His	Gly	Trp	Arg	Gln	Thr	Gln	Ile	Thr	Leu	Arg Gly
545					550					555				560
Ala	Asp	Val	Lys	Ser	Val	Ile	Phe	Lys	Gly	Glu	Lys	Arg	Arg	Gly His
			565						570					575
Thr	Gly	Glu	Ile	Gly	Leu	Asp	Asp	Val	Ser	Leu	Lys	Arg	Gly	Arg Cys
			580					585					590	

<210> 6
 <211> 578
 <212> PRT
 <213> Mus musculus

<400> 6
 Met Ala Val Leu Leu Ala Ala Val Leu Ala Ser Ser Leu Tyr Leu Gln
 1 5 10 15
 Val Ala Ala Asp Phe Asp Gly Arg Trp Pro Arg Gln Ile Val Ser Ser
 20 25 30
 Ile Gly Leu Cys Arg Tyr Gly Gly Arg Ile Asp Cys Cys Trp Gly Trp
 35 40 45
 Ala Arg Gln Ser Trp Gly Gln Cys Gln Pro Phe Tyr Val Leu Arg Gln
 50 55 60
 Arg Leu Ala Arg Ile Arg Cys Gln Leu Lys Ala Val Cys Gln Pro Gln
 65 70 75 80
 Cys Lys His Gly Glu Cys Val Gly Pro Asn Lys Cys Lys Cys His Pro
 85 90 95

Gly	Phe	Ala	Gly	Lys	Thr	Cys	Asn	Gln	Asp	Leu	Asn	Glu	Cys	Gly	Leu
			100					105					110		
Lys	Pro	Arg	Pro	Cys	Lys	His	Arg	Cys	Met	Asn	Thr	Phe	Gly	Ser	Tyr
		115					120					125			
Lys	Cys	Tyr	Cys	Leu	Asn	Gly	Tyr	Met	Leu	Leu	Pro	Asp	Gly	Ser	Cys
	130					135					140				
Ser	Ser	Ala	Leu	Ser	Cys	Ser	Met	Ala	Asn	Cys	Gln	Tyr	Gly	Cys	Asp
145					150					155					160
Val	Val	Lys	Gly	Gln	Val	Arg	Cys	Gln	Cys	Pro	Ser	Pro	Gly	Leu	Gln
			165						170					175	
Leu	Ala	Pro	Asp	Gly	Arg	Thr	Cys	Val	Asp	Ile	Asp	Glu	Cys	Ala	Thr
			180					185				190			
Gly	Arg	Val	Ser	Cys	Pro	Arg	Phe	Arg	Gln	Cys	Val	Asn	Thr	Phe	Gly
	195						200					205			
Ser	Tyr	Ile	Cys	Lys	Cys	His	Thr	Gly	Phe	Asp	Leu	Met	Tyr	Ile	Gly
	210					215					220				
Gly	Lys	Tyr	Gln	Cys	His	Asp	Ile	Asp	Glu	Cys	Ser	Leu	Gly	Gln	His
225					230				235						240
Gln	Cys	Ser	Ser	Tyr	Ala	Arg	Cys	Tyr	Asn	Ile	His	Gly	Ser	Tyr	Lys
				245					250					255	
Cys	Gln	Cys	Arg	Asp	Gly	Tyr	Glu	Gly	Asp	Gly	Leu	Asn	Cys	Val	Tyr
			260					265					270		
Ile	Pro	Lys	Val	Met	Ile	Glu	Pro	Ser	Gly	Pro	Ile	His	Met	Pro	Glu
		275					280					285			
Arg	Asn	Gly	Thr	Ile	Ser	Lys	Gly	Asp	Gly	Gly	His	Ala	Asn	Arg	Ile
	290					295					300				
Pro	Asp	Ala	Gly	Ser	Thr	Arg	Trp	Pro	Leu	Lys	Thr	Pro	Tyr	Ile	Pro
305					310					315					320
Pro	Val	Ile	Thr	Asn	Arg	Pro	Thr	Ser	Lys	Pro	Thr	Thr	Arg	Pro	Thr
				325					330					335	
Pro	Asn	Pro	Thr	Pro	Gln	Pro	Thr	Pro	Pro	Pro	Pro	Pro	Pro	Leu	Pro
			340					345					350		
Thr	Glu	Pro	Arg	Thr	Thr	Pro	Leu	Pro	Pro	Thr	Pro	Glu	Arg	Pro	Ser
		355					360					365			
Thr	Arg	Pro	Thr	Thr	Ile	Ala	Pro	Ala	Thr	Ser	Thr	Thr	Thr	Arg	Val
	370					375					380				
Ile	Thr	Val	Asp	Asn	Arg	Ile	Gln	Thr	Asp	Pro	Gln	Lys	Pro	Arg	Gly
385					390				395						400
Asp	Val	Phe	Ile	Pro	Arg	Gln	Pro	Thr	Asn	Asp	Leu	Phe	Glu	Ile	Phe
			405						410				415		
Glu	Ile	Glu	Arg	Gly	Val	Ser	Ala	Asp	Glu	Glu	Val	Lys	Asp	Asp	Pro
			420					425					430		
Gly	Ile	Leu	Ile	His	Ser	Cys	Asn	Phe	Asp	His	Gly	Leu	Cys	Gly	Trp
		435					440					445			
Ile	Arg	Glu	Lys	Asp	Ser	Asp	Leu	His	Trp	Glu	Thr	Ala	Arg	Asp	Pro
	450					455					460				
Ala	Gly	Gly	Gln	Tyr	Leu	Thr	Val	Ser	Ala	Ala	Lys	Ala	Pro	Gly	Gly
465					470					475					480
Lys	Ala	Ala	Arg	Leu	Val	Leu	Arg	Leu	Gly	His	Leu	Met	His	Ser	Gly
			485						490					495	
Asp	Leu	Cys	Leu	Ser	Phe	Arg	His	Lys	Val	Thr	Gly	Leu	His	Ser	Gly
		500						505				510			
Thr	Leu	Gln	Val	Phe	Val	Arg	Lys	His	Gly	Thr	His	Gly	Ala	Ala	Leu
		515					520					525			

Trp	Gly	Arg	Asn	Gly	Gly	His	Gly	Trp	Arg	Gln	Thr	Gln	Ile	Thr	Leu
	530					535					540				
Arg	Gly	Ala	Asp	Val	Lys	Ser	Val	Ile	Phe	Lys	Gly	Glu	Lys	Arg	Arg
545					550					555					560
Gly	His	Thr	Gly	Glu	Ile	Gly	Leu	Asp	Asp	Val	Ser	Leu	Lys	Arg	Gly
			565					570						575	
Arg	Cys														

11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100